

The

CHEMIST AND DRUGGIST
 for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

L. 3223
CXXXVI

NOVEMBER 15, 1941

Annual Subscription (with
Diary) 25/- Single Copies 9d.INTERESTING
EVENTSIN PHARMACY
No 8

Sir HUMPHRY DAVY
 1778 - 1829

This Englishman began his meteoric career as an Apprentice to Mr. Borlase, Apothecary, of Penzance. His wonderful imagination led him to many discoveries and the foundations of chemistry owe much to his fertile brain. The year 1815 marked Davy's contribution to the saving of life ... the miner's lamp.

BURGOYNE BURBIDGES

Established 1741 & COMPANY LIMITED, LONDON, E.6



... pay homage to his memory. May he be an inspiration to many another apprentice of our craft.

A CONSISTENT POLICY
FOR MORE THAN 25 YEARS

Euthymol

TOOTH PASTE

**NO REDUCTION
IN PROFITS**

**NO REDUCTION
IN PRICE**

**NO SMALL SIZES
ALWAYS ON THE P.A.T.A**

PARKE, DAVIS & CO., LONDON, W.1

ASK YOUR
CHEMIST...



In our press advertisements we advise women to ask their chemist for a free copy of "Hygiene for Women," by Nurse Drew.

50,000 direct applications prove women are vitally interested in feminine hygiene.

If you have not a good supply of these popular booklets for counter display then you are not getting your share of the ever-growing demand for the various Rendells Products.

Why not write us to-day for a supply of Booklets and our latest Chemist Display Aid?

Rendells
PRODUCTS

FOR FEMININE HYGIENE

W.J. RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON, E.C.1

**Ample Stocks of this
famous Tooth Powder**
Order all you want



but order
NOW!

RETAIL PRICE

7¹/₂

For best trade term
see price list

Macleans are happy to announce that they have ample stocks of Macleans Peroxide Tooth Powder and can fill any orders for this product immediately. "Ample stocks" is a phrase all too seldom heard nowadays, and we would advise our customers to place adequate orders *at once*. A supply of Macleans Peroxide Tooth Powder, in addition to your usual stock of the famous Tooth Paste, will form a valuable reserve against any emergencies which may arise. And consistent advertising assures a ready acceptance for *any* dentifrice bearing the name "Macleans."

Telephone orders : Ealing 6616. Wires : Macleans Brentford.
MACLEANS LTD., GREAT WEST ROAD, BRENTFORD, MDX.

**MACLEANS
PEROXIDE
TOOTH
POWDER**

A new non-irritant treatment for SCABIES

Non-oily, non-toxic, non-irritant and non-staining, Sarevan acts as an emollient for the irritation and dermatitis often found in severe cases of scabies and other dermatoses of parasitic origin.

It is economical, well tolerated by sensitive skins and gives immediate relief. Full instructions for use are given with each bottle.



RETAIL

4 fl. oz. bottles - 3/8 each (inc. tax)
20 fl. oz. " - 13/10 " (inc. tax)

WHOLESALE

4 fl. oz. bottles - 2/2 each (plus 16 2/3% tax)
20 fl. oz. " - 8/4 " (plus 16 2/3% tax)

Literature sent on application.

SAREVAN

EVANS

MEDICAL

PRODUCTS

MADE BY EVANS SONS LESCHER & WEBB LTD

BRITISH SCHERING
TRADE MARK PRODUCTS

ALBUCID	PROGYNON
ARCANOL	PROLUTON
ATOPHAN	PROVIRON
ATOPHANYL	SOLGANAL
CORTIRON	SYNTHALIN
CYLOTROPIN	TESTOVIRON
FORTAMIN	UROSELECTAN B
MEDINAL	VALISAN
NEOTROPIN	VASANO
NEUTRALON	VERAMON

When the foregoing are ordered no other product may legally be supplied.

BRITISH SCHERING LIMITED, 185-190 HIGH HOLBORN, LONDON, W.C.1

The 'Clinbritic' Vaccine Bottle

Patent No. 492200

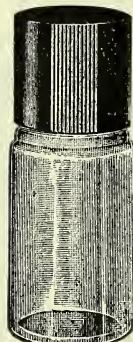
MADE IN WOOD'S ALKALI FREE AMBER or WHITE GLASS



Assembly Details

A new type of Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal. No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.

The india rubber vaccine cap, of special design, is protected by a screw bakelite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilization.



Completed

Samples, Prices and Full Details on Request

Britton, Malcolm & Waymark, Ltd.
38 Southwark Bridge Road, London, S.E.1

**So many
to-day rely
on**

Cephos

THE PHYSICIANS' REMEDY
Pronounced *See-foss*
For **HEADACHE, COLDS and 'FLU**
It is a remedy you may always recommend with complete confidence.

It reduces temperature and soothes pain and is invaluable in cases of Headache, Cold, Influenza and Rheumatism

CEPHOS LTD., BLACKBURN

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FOREIGN PROPRIETARIES NOW MANUFACTURED IN ENGLAND

ALEPSAL tablets
BEJEAN'S SPECIFIC
FRANKLIN TEA
FRAISSE FERRUGINOUS ampoules
and drops
" **NEVROSTHENIC** ampoules
and drops
" **HYPOTENSIVE** drops
GELINEAU DRAGEES

LACTEOL tablets
LYSANTHINE granules
NEURINASE tablets and solution
PRUNAGAR tablets
SOPORIGENE tablets
TERPOFLOR caps. and solution
TRICALCINE tabs., grans., cachets
and powder

VALDA pastilles

MANY OTHER FRENCH PROPRIETARIES ARE NOW AVAILABLE INCLUDING
NATIVELE'S DIGITALINE and **GENOSCOPLAMINE**

AMPLE STOCKS AVAILABLE OF OUR OWN PREPARATIONS:—
FERRAEMIA tablets; **IONACE** tablets; **CARBACT** tablets and **JOCIGARES**

WILCOX, JOZEAU & CO., LTD.
74-77 WHITE LION STREET, LONDON, N.1
19 TEMPLE BAR, DUBLIN

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A NOTE TO OVERSEAS BUYERS

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.

COLDS ARE COMING

What about your supplies of 'SEROCALCIN'?

- 1** Early orders clearly indicate that the demand for 'Serocalcin' will be higher than last year.
- 2** The supply difficulties which so many of you experienced last year can be overcome, at least this autumn, *if you order at once.*
- 3** Our advertising is to continue on the same scale as last year, unless the demand becomes too great for us to supply.

PLEASE ORDER NOW

Harwoods
Laboratories
Limited.

SEROCALCIN PREVENTS COLDS

Rickmansworth Rd
Watford,
Herts.



Sovereign Remedies

Outstanding efficacy is the sole assurance of satisfactory sales. This unquestionable truth is seen in the unrelenting demand for Veno, Eno and Thermogene Products. The public estimate of these sovereign remedies is assailable. So—show them! Carry ample stocks! Order ahead! Protect yourself against delay in deliveries and sudden demands due to circumstances beyond our control. And if you need display material kindly write at once to the

VENO DRUG CO. LTD.

CHESTER ROAD, MANCHESTER 16

PILLS & TABLETS

Packed or Bulk · Coated or Uncoated
Standard or Private Formulæ



In War — as in Peace

As Specialists in the manufacture of Pills and Tablets, we are still in a position to provide an efficient service to our customers throughout the world.



COX of BRIGHTON

ARTHUR H. COX & CO. LTD. · MANUFACTURING CHEMISTS SINCE 1839



"Goodbye Paris"
 "But GOYA is a luxury that is
 still in perfect taste . . ."

GOYA FACE POWDER
 In six exquisite shades. 8/-

GOYA LIPSTICK
 In six exciting colours. Seven-
 teen, Cherry, Tomato, Basque,
 Cuba, Burgundy. 5/6 (Refills 3/-)

FIVE FAMOUS PERFUMES
 'Gardenia,' 'Studio,' 'NO. 5,'
 'English Rose,' 'Heather'
 8/- to 128/-

MADE IN ENGLAND BY
Goya
 PICCADILLY

FIRST . . . OF A NEW SERIES DESIGNED TO HELP YOU

Goya believes in advertising . . . even during war-time . . . even, under the Limitation of Supplies Order. Why? Because British business must win the peace after the war.

So, we reproduce the first of the 1941-42 series of Goya advertisements, designed to maintain the master repute of Goya, and your good Goya trade when peace comes again.

Please note the two new Goya perfumes 'English Rose' and 'Heather,' of which limited supplies are available. Also, the exciting range of Goya lipstick colours.

Goya does his utmost to share supplies fairly—and plans continuously to give you the finest service in perfumes and cosmetics now, and in the good days to come.



Distributors : D. R. Collins Ltd.,
 52, Brooks Mews, Davies St., London, W.1



**MEDICINAL PRODUCTS
OF
ANIMAL ORIGIN**



Chemist Counter Lines

**ARMOUR'S FLAVOURED JUNKET
GLANOID CALF'S FOOT JELLY
GLANOID BEEF JUICE**

**A FULL RANGE OF GLANDULAR
PRODUCTS PREPARED FROM FRESH
WARM GLANDS SUPPLIED IN
AMPOULES, TABLETS, LIQUIDS
AND CAPSULES**

**available in Package Form
or Bulk Containers**

Also PEPSIN all strengths

PEPTONE
both Bacteriological
and Commercial

**ADRENALIN B.P. 1932
(Pure)**

PANCREATIN U-S-P

OX GALL **Inspissated
Powdered
Purified**

BILE SALTS POWDER

Send your enquiries to:

**THE
Armour Laboratories**

THORNTON HOUSE · FINSBURY SQUARE · LONDON · E-C-2

'Phone
Keivin 3661

Grams
"Armosata-Phone." London

**LIMITATION OF SUPPLIE
ORDER**

**FAIR TREATMENT TO ALL
IS THE NUFIX POLICY**

The trade may rest assured that in spite of all the difficulties we have to contend with, and they are many, it will continue to receive fair and equitable treatment in the matter of supplies. All orders received will be treated in strict rotation and available quota will be distributed amongst our retail customers on a just and fair basis they are entitled to expect. The Nufix policy, as always, represents a fair and square deal to everybody under the present unprecedented conditions of trade.

Announcement to the trade issued by

**WALDEN & CO. (NUFIX) LTD
LONDON, N.W.9**

**XMAS
TRADE**

*If you make your own
PERFUMES.*

please note that we produce over 9,000 different concentrated essences for perfumery, creams, powders, lipsticks, lotions, soaps and all types of cosmetics.

Continental perfumes can be matched

Samples and technical help free

FIELD & CO. (AROMATICS) LTD.

MOUNT PLEASANT, WEMBLEY, ENGLAND

'Phone. Wembley 3536

Grams: FUMRIFIELD WEMBLEY

SPECIALISTS IN THE MANUFACTURE OF

TABLETS & PILLS

Richard Daniel & Son
Derby LTD.

SINCE

1860

Also... AMPOULES · EMULSIONS · EXTRACTS
INFUSIONS · OINTMENTS · SUPPOSITORIES.
PROPRIETARY AND OWN FORMULA PILLS AND TABLETS*We invite enquiries from Wholesalers and Exporters for all
classes of Pharmaceutical Preparations in bulk or packed*

RICHARD DANIEL & SON, LTD, DERBY.

TELEPHONE: DERBY 4266/7/8

TELEGRAMS: DANIA DERBY.

**Better safe than
sorry**Stocks are not too plentiful and
will get less so. Order what you
will need NOW and save dis-
appointing your Customers.Attractive moulded torch-case in many colours.
Takes standard 2-cell No. 8. Fitted patented
"SLOTTED MASK" giving ample light but
diffuses and masks bulb, thus avoiding strong
dazzling beam. 10/6 doz.Ideal Moulded "MIDGET TORCH." Takes
1-cell No. 8. Flash or permanent contact.
Assorted colours. 4/6 doz.Well-made metal torch-case, nickel-plated
Takes 2-U. 2 cells. Slide switch. 20/- doz.Beautifully finished moulded PEN Torch-case
fitted with pocket clip. Takes standard 2-cell
pen battery. 15/- doz.British Made metal cycle Lamp with rear lamp
connection and special "Dimmed Light" com-
plying with regulations. Also IDEAL FOR
A.R.F. LAMP. 30/- doz.

FLASH-LAMP BULBS

1.5 v. 11 mm. 0.20 amp. 12/6 per 100.

2.5 v. 11 mm. 0.20 amp. 9/- per 100.

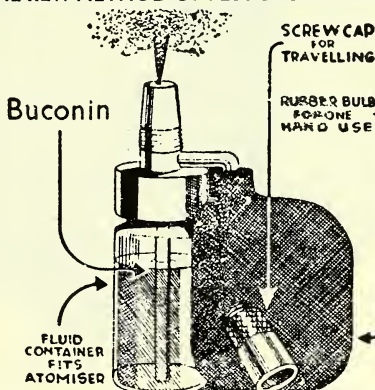
3.5 v. 11 mm. 0.20 amp. 10/- per 100.

All these bulbs are spot clear and tested
in our warehouse before dispatch and bear
label on box to that effect. All other types
of bulbs and torch-cases in stock

TERMS

Nett cash. All prices sub-
ject to + purchase tax,
unless registered.**SAMS DISTRIBUTION
LIMITED.**SOUTHAMPTON PLACE,
LONDON W.C.I.

Phone: HOLborn 7000

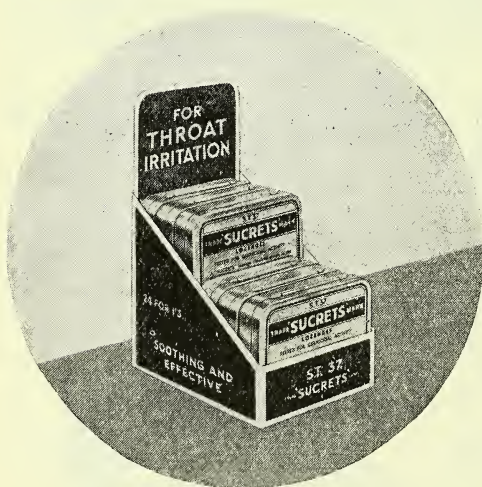
**ATMOSPHERIC PERMEATION
THE NEW METHOD OF PEST DESTRUCTION****BUCONIN** Non-poisonous, Harmless, Pleasant, Econ-
omical. *The most Powerful Insecticide*
DESTROYS Cockroaches, Mosquitoes, Fleas, Wasps
Flies, Moth., Bugs, and all insects.The Buconin Grip Atomizer fits the hand. Embodies
Scientific Atomization.**£100
REWARD**The best one-hand apparatus we know, but to
anyone who can offer any real improvement
we are able to use, we offer this reward.**BUCONIN** deserves the best apparatus possible.

THIS IS A GENUINE OFFER

BUGGE'S INSECTICIDES, LTD., SITTINGBOURNE, KENT

Strategy that Pays

INSTEAD of a few halfpennies from a 3d. or 6d. sale, you make 5d. to 9d. on every box of 'Sucrets' lozenges at 1/3. Customers find that the prompt relief 'Sucrets' bring to irritated throats warrants paying a little more. They appreciate your recommending a superior medication.



Send for Bonus Terms
SHARP & DOHME LTD.

Mulford Biological Laboratories

HODDESDON

HERTS.

Telephones : HODDESDON 2939 - 3181



'Sucrets' users are fast increasing. "Pick-up-sales" are frequent. By devoting a few inches of prominent display to 'Sucrets' lozenges you will enjoy steady, dependable turnover with unusually high unit-returns.

'SUCRETS' LOZENGES

Tested for Germicidal Activity

Dissolved slowly on the tongue 'Sucrets' Lozenges produce a marked soothing effect on the mucous membrane of the mouth and throat . . . promptly allay that "scratchy" feeling.

'Sucrets' Lozenges are convenient to carry. They are packed 24 in a neat metal box, each Lozenge individually wrapped. They may be carried loose in the handbag or pocket, or kept at the bedside.



FOOD SUBSTITUTES (Control) ORDER 1941

Potter & Clarke Ltd have received licences to sell the following items:—

- "Winged Lion" Brand Grape Fruit Flavouring
- "Winged Lion" Brand Orange Flavouring
- "Winged Lion" Brand Lemon Flavouring
- "Winged Lion" Brand Lime Flavouring

Reputed pints	1/3 retail	10/- per dozen
Reputed quarts	2/- ..	16/-

They have also been informed that licences will not be required for those lines given below:—

- "Winged Lion" Brand Lemon Flavoured Cordial
- "Winged Lion" Brand Blackcurrant Cordial
- "Winged Lion" Brand Lime Flavoured Cordial
- "Winged Lion" Brand Sage Flavoured Seasoning
- "Winged Lion" Brand Marjoram Flavoured Seasoning
- "Winged Lion" Brand Thyme Flavoured Seasoning
- "Winged Lion" Brand Garlic Flavoured Powder

Onion Flavoured Powder has temporarily been discontinued

POTTER & CLARKE LTD

60-64 Artillery Lane, LONDON, E.1
77 Dantzic Street, MANCHESTER, 4

'Phone: B1Shopsgate 4761 (6 lines)
'Phone: B1Ackfriars 8734

Vimaltol—A Scientific Vitamin Food

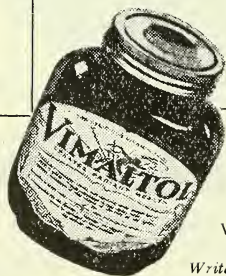
A GOOD OPPORTUNITY for Increased Sales

AS a result of powerful national advertising, the public demand for 'Vimaltol'—a concentrated vitamin food—is being widely developed: This demand will be further stimulated by practical experience of the intrinsic merit of 'Vimaltol,' its high quality, delicious flavour and exceptional economy in use.

'Vimaltol' contains the vitamins A, B, C and D. The vitamins are supplied from specially prepared Malt Extract and Halibut Liver Oil, fortified with additional vitamins. The presence of vitamin C in combination with vitamins A, B and D is a special advantage.

For these reasons 'Vimaltol' is a desirable vitamin food for children, to build up strength and weight and to provide extra protective nourishment.

The growing demand for 'Vimaltol' offers you a good opportunity to increase your sales this winter. It would therefore be advantageous to look to your stocks now.



VIMALTOL

Wholesale Prices: 17/4 and 29/4

Retail Prices: 2/2 and 3/8

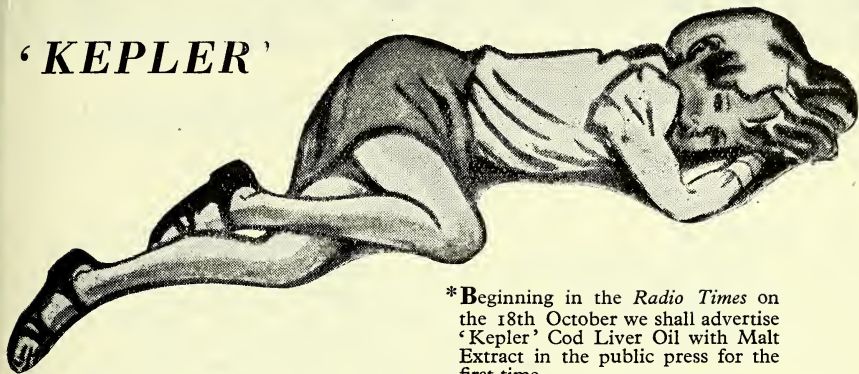
(Exempt from Purchase Tax)

Write for Trade Terms to: A. WANDER LTD., 184 Queen's Gate, London, S.W.7

27,000,000 Advertisements

to tell mothers about

'KEPLER'



*Beginning in the *Radio Times* on the 18th October we shall advertise 'Kepler' Cod Liver Oil with Malt Extract in the public press for the first time.

Backed by a reputation of over 60 years' standing and now to be advertised in the public press for the first time, 'Kepler' Cod Liver Oil with Malt Extract becomes an increasingly interesting line to the chemist.

Over 27,000,000 advertisements will appear throughout the season* in weekly and monthly journals with big circulations among good class homes — "Radio Times," "Good Housekeeping" and many others. There will be a bigger demand than ever for body-build-

ing foods this winter and every advertisement for 'Kepler' will carry this powerful message to mothers concerned with the health of children and family during the colder months.

There's FOOD as well as vitamins in 'Kepler' Under our revised terms, announced June 1st, 'Kepler' Cod Liver Oil with Malt Extract shows a substantial margin of profit, and we are doing all we can to increase the sale of 'Kepler' through the Retailer. Order supplies now to meet the increased demand.



BURROUGHS WELLCOME & CO.

(THE WELLCOME FOUNDATION LTD.)

183-193 EUSTON ROAD, LONDON, N.W.1



G2276

WARRICK·BROS·L^D

R. HENDRIE & CO. • ESTAB. 1760 • MADDOCKS & CO.

FINE PRODUCTS FOR THE PHARMACY!

CAPSULES

Bulk, Packed and Speciality
Halibut Liver Oil
Cold Cure; Influenza
'Stankap'; Asthma; Digestive

PASTILLES

Glycerine of T
Chronic C

LOZENGES

Owing to shortage of raw materials we cannot always execute in full our customers' orders. This is much to be regretted in cases where for many years particular articles have been purchased from us. We wish to assure our customers that every effort is made to maintain fair and equitable distribution of our products.

TABLETS

Wash (Effervescent)
Bismuth Dyspepsia
Bismuth, Pepsin and Pancreatin
Chilblain Treatment

PHARMACEUTICALS

'Pulvellæ' and 'Chocellæ'
Olive Oil (*Warrick Freres*)
'Carbo-Absorbent'
Granules—'Stankap' and Digestive

COLD PRODUCTS

'Nostrones' (Complete Treatment)
Ephedrine Nasal Compound
Smelling Salts
Ephedrine Nasal Cream

PILE PREPARATIONS

Pellæ 8-Day Pile Treatment
Stainless Pile Ointment
Suppositories
Ointments

SEND TO—

WARRICK BROTHERS, LTD.

Telephone: CLERKENWELL 2452-3. Telegrams: WARRICKERS, NORDO-LONDON
CORRESPONDENCE FROM OVERSEAS SOLICITED

NILE STREET · LONDON

The CHEMIST AND DRUGGIST

For RETAILER — WHOLESALE — MANUFACTURER

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (10 lines)

Emergency Address: THE PITMAN PRESS, LOWER BRISTOL ROAD, BATH

Telephone: Bath 5492

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NEWS OF THE WEEK

Free Vitamins for Infants.—From December 8 the Ministry of Food will distribute free for children born after January 1, 1940, "cod liver oil compound," black currant syrup, black currant purée, and orange juice. Distribution will be through maternity and child-welfare centres and local food offices. It is hoped that the issue of "cod liver oil compound" will later be extended to children up to six years of age.

Control of Plastics.—The Minister of Supply has issued a Control of Plastics, No. 2, Order (S.R. & O., No. 1722). The effect is to vary the Control of Plastics, No. 1, Order, so that the expression "controlled material" means (1) any synthetic resin in the production of which any of the following materials has been used: formaldehyde, (ii) phenol, (iii) cresol, (iv) urea, or (v) thio-urea; and (2) any plastic in the form of moulding powder the production of which any of the following materials has been used: (i) formaldehyde, (ii) phenol, (iii) cresol, (iv) urea, or (v) thio-urea, or (vi) cellulose acetate.

Paper Restrictions.—A new Order entitled the Control of Paper, No. 36 Order (H.M. Stationery Office, price 2d.), contains drastic restrictions designed to secure the utmost economy in the use of paper. It is provided that no retailer shall use any paper for the packing or wrapping of goods except as may be reasonably required for protection of the articles. Labels are prohibited on all parcels unless the directions cannot be stamped or written on the wrapping or container or unless the container is returnable. Advertising circulars about the sale of goods may not be distributed gratuitously. There are, however, some exceptions, including circulars advertising the sale of seeds and the sale or loan of books. Certain classes of directories and all kinds of local guide books are prohibited. A ban is also placed on the manufacture of hair sachets made from paper or wood pulp, and cleansing tissues are now included in the existing prohibition on facial tissues and paper handkerchiefs. Future production of greetings cards and table stationery is also prohibited, while

additional restrictions are placed on the production of calendars. The size of all posters and advertising showcards is cut down by half.

Control of Starch Food Powders.—Starch Food Powders are now controlled by the Ministry of Food under three Statutory Rules and Orders: The Food (Restriction on Dealings) Order, 1941 (S.R. & O., 1234, 1941), The Food Substitutes (Control) Order, 1941 (S.R. & O., 1606, 1941), and The Starch Food Powders (Control) Order, 1941 (S.R. & O., 1742, 1941). For brevity, these Orders are referred to as the "Restriction," "Substitutes," and "S.F.P." Orders respectively (see *C. & D.*, November 1, p. 128).

Purchase Tax.—The following decisions regarding the liability to tax of articles are published as supplementary to those already given in Notice No. 78. Class 8. *Chargeable*: Nurses' dressing scissors, 8 in. or less in length, other than those specially designed for dismantling for sterilisation. Class 7. *Chargeable*: (Domestic cooking . . . appliances and other appliances and apparatus of a kind used for domestic purposes.) Vacuum closure outfits put up with rubber rings, labels and clips, for domestic food preserving. (Certain spare parts of these outfits are chargeable under Class 9.)

Anti-Dermatitis Preparations.—The Board of Trade has issued a general licence (S. R. & O., No. 1741) permitting the supply, outside quota, of anti-dermatitis preparations to firms engaged in the following activities: The supply of electricity, the supply of gas, the production of coal, the operation, construction, maintenance and repair of motor vehicles or trailers, engineering, printing, calico printing and dyeing, French polishing, metal plating, manufacture and use of chemicals, manufacture and use of paint (oil and cellulose) including aircraft dope, leather tanning and dyeing, rubber manufacture. Firms wishing to obtain these supplies must send to their supplier a declaration stating the value of the goods required, and the nature of the business which the firms carry on. They must also state that the goods will be used solely for the prevention of dermatitis among their employees, and will not be re-sold to the public. A wholesaler receiving a declaration in this form can pass it back to the manufacturer from whom he obtains his supplies and it will then serve as an authority for the latter to supply goods outside quota. Copies of

the licence, to which the prescribed form of declaration is annexed, are now available through H.M. Stationery Office.

Withdrawal of Deferment.—The Central Pharmaceutical War Committee is informed by the Ministry of Health that the general decision to release all men below the age of twenty-five for military service is not applicable to pharmacists, dispensers and pharmacy students. The present deferment machinery continues to operate in their cases.

Fined for Overcharge.—For charging 1s. 11d. for a 1s. shaving stick refill at their premises, 152 High Street, Portobello Findlays (Proprietaries), Ltd., chemists 6 St. Patrick Square, Edinburgh, were fined £2 by Sheriff Jameson at Edinburgh Sheriff Court on Thursday, November 6. A representative of the firm said they had done their best to let the staff know the correct prices of goods. He pointed out that the complete stick with the case was only 1s. 6d. and it was odd that they should charge more for the refill.

Export Licensing Order No. 38.—Under a Board of Trade Order signed on November 4, 1941, export control is extended to cover certain malt extract preparations, a wide range of metal manufactures and synthetic resins, etc.

The details of concern to the drug and chemical trade of this Order (S.R. & O. 1941, No. 1713, price 1d.) are as follows:—

Licences will, in future, be required to export the following classes of goods to all destinations:—

Preparations (other than medical preparations) made wholly or partly of malt extract.

Cellulose acetate moulding powders.

Glazed tiles.

Synthetic resins of the formaldehyde condensation type; moulding powders and granules (with or without the addition of mineral or organic fillers) and sheets, strips, rods or tubes, whether laminated or not, manufactured from such resins.

Sulphuric acid (including oleum), the exportation of which was previously prohibited to all destinations will, in future, require licences for certain specified destinations only.

Herb Display in Edinburgh.—Jenners, Ltd., Princes Street, Edinburgh, gave a special display recently of products of the Herb Farm, Sevenoaks, Kent, pointing out

that the perfumes, pot-pourri and herbs shown were British grown.

Inquest.—At Exeter, on November 4, an inquiry was held into the death of Lily Milton. According to medical evidence deceased had a prescription which included tablets of phenobarbitone sodium and, according to the pathologist who conducted the *post-mortem*, death was due to poisoning by this drug, deceased having taken at least twenty grains. A verdict in accordance with the medical evidence was recorded.

Staff Social at Nottingham.—Over 300 of the staff of Splendor, Ltd., attended a tea party and dance held in the recently installed canteen at the Fletcher Gate, Nottingham, warehouse of the company on October 30. Dancing was from 7 to 11 p.m., and the evening's entertainments included a cabaret and novelty dances, the prizes for which were presented by the managing director (Capt. Bertram D. Edwards). Amongst those present were many buyers and customers of the firm, and Messrs. Splendor's London staff was represented by their London manager (Mr. M. W. Garrett).

Birkenhead Pharmacists to be Gas Identifiers.—Following an address by Mr. P. H. Saunders (Birkenhead civil defence organisation) to members of the Birkenhead and Wirral Pharmacists' Association on November 6, Mr. G. L. Hale presiding, about twelve members agreed to enrol for the gas-identification service. Mr. C. H. Crawshaw indicated that he might find it possible to take the instructor's course on gas identification, in which case he would pass on advice and guidance to the other members. The secretary (Mr. F. G. Collins) reported that he had been in touch with the local food office about complaints from pharmacists that they could not obtain certain products that were available in other quarters through direct supplies from the manufacturers. Members were asked to put specific complaints in writing. Disappointment was expressed at the tardy response to the pharmacists' offer to place buckets of bleach cream in the doorways of their premises: up to the present only one bucket and no bleach cream had been delivered. Resolutions from various pharmaceutical associations were submitted by the secretary (1) calling for the resignation of the Society's Council, (2) expressing apprehension at the Pharmacy and Medicines Act, and (3) suggesting an increase in N.H.I. dispensing fees. Discussion on these topics was postponed until the next meeting.

Irish Drug Association.—Mr. P. F. McGrath (president) was in the chair at a meeting of the committee of the Irish Drug Association held on October 27. On the motion of Mr. McGrath, seconded by Mr. F. X. Meagher (vice-president), Mr. T. R. Bourke (managing director, Hamilton, Long & Co., Ltd.) was co-opted to fill the vacancy on the committee caused by the death of the late Dr. J. A. Mitchell. The committee directed that, where doctors prescribe two or three alternative preparations of more or less the same composition, one of which is to be supplied, members should be requested to use the initials of the manufacturer of the preparation supplied opposite the code word. The report of the representative who attended the meeting held at the Department of Industry and Commerce to consider curtailment of lighting in shops was discussed, and as it was felt that there would be no restriction on chemists' activities it was decided to take no further action.

Fuel Famine in Eire.—Chemists in Eire, in common with other traders, may be compelled to restrict their hours of trading. There is a severe shortage of fuel in the country, for little coal has been arriving from Britain, and even this inadequate supply is expected to be further reduced. Many companies are now supplying gas for only a few hours each day. To help their assistants to get a hot midday meal, chemists have been closing between 1 and 2.15 p.m. As a result of the shortage it is anticipated that the Eire Government will make an order restricting hours of trading, and 5 p.m. is spoken of as the probable closing hour each day. Mr. Sean Lemass, Eire's Minister for Supplies, recently invited representatives of a number of Dublin business organisations to a conference to discuss early closing as a means of conserving fuel and power supplies. Representatives of various distributive trades expressed their views, and these were summarised in a combined statement to the effect that it was desirable that any Closing Order should be uniform and for all classes of shops, so as not to drive trade from one district to another, or from one class of establishment to another. It was accepted in principle that the hours should be fixed so as not to bring about unemployment, and that care should be taken of the interests of smaller shops, which did a considerable part of their trade at later hours. The representatives were informed that the advice tendered would be fully reported to the Minister.

TOPICAL REFLECTIONS

Retail Prices of Proprietaries

The multiplicity of retail prices of proprietary medicines (pp. 176, 191) is an annoying development traceable to the incidence of the Governmental control of industry. The position of large-scale manufacturers of these goods is a difficult one. There is no reason self-evident from the laws of nature why the sales unit of such articles should be a uniform shilling, half-crown and so forth; the uniformity hitherto customary has been based on the scale of duties for stamping certain medicines. In more normal times the disappearance of these duties would have afforded a welcome opportunity for manufacturers to look into their costing systems and rearrange the sizes of their products so as to yield greater convenience of working without disturbing friendly relations with their customers. But at the present time any attempt in this direction is limited by the overriding consideration that no greater net profit than that of the standard period laid down in the Prices of Goods Act is allowed. In theory it is possible for manufacturers so to change the sizes of their products as to retain the existing prices for them, but to do this at the present juncture, with all that such a change would involve, is in most cases obviously impracticable. What wonder, then, if retail prices are worked out to a fraction of a penny? Retailers will find it necessary, till they have memorised new prices, to revert to the practice of fifty years ago and consult a list if a proprietary article asked for is not already marked with its retail price. Assistants and apprentices may find this procedure a useful, if not an enjoyable, exercise in training memory.

Pictorial News

By a happy arrangement your page of pictorial news for November 8 (p. 165) includes portraits of a Lord Mayor and two other pharmacists who are the chief magistrates of their respective boroughs. For many years past I have been accustomed to reading in the *C. & D.*, about the middle of November, the names of members of the drug trade, wholesale and retail, thus chosen by their fellow citizens. In time of war the duties of a mayor are of a specially onerous nature and without amplifying this remark I gladly pay a tribute to those members of the calling who have sacrificed

time and convenience from a sense of public duty. The War Weapons Week window display shown on the same page makes the kind of straightforward appeal likely to bring good results: the planning of such windows in present conditions is not easy, and we must hope that it will entail a suitable recompense. The picture of a collection of waste paper from your office did not find room on the same page, but it serves as a timely reminder to clear out everything of the kind.

Arsenic in Human Tissues

Writing on the Maybrick case, "Pharmaceutist" (p. 192) raises the question of the inferences to be drawn from the presence of unusual quantities of arsenic in the human body. Since 1786, when Thomas Fowler, M.D., issued his "Medical Reports of the Effects of Arsenic, in the cure of Agues, Remitting Fevers, and Periodic Headaches," the medical profession has gradually accumulated sound views of the conclusions to be reached on finding what are called significant amounts of it in *post-mortem* examination; and we are justified in believing that if so small a proportion as that mentioned by your correspondent was now extracted from any of the organs of a corpse, a trial for murder in respect of the death would almost certainly result in the acquittal of the accused person or persons. A good instance of tolerance of this potent substance was given in your issue of March 29, 1930, where analytical findings in the case of a man who died at the age of forty-eight disclosed that relatively large quantities of arsenic were present in the organs examined, although it was shown that death was due to *B. aertrycke*. Toxicologists tell us that the proportional distribution in the tissues is of primary significance, indicating the length of time during which the substance has been taken. In a lecture reported in the *C. & D.* of January 21, 1933 (p. 68), it is mentioned that a medical patient took arsenic for practically a year without break, sometimes to the extent of nearly $\frac{1}{2}$ gr. a day. At the end of that time a sample of his hair contained 40 parts of arsenic per million, and parings of his nails about 100 parts per million. The prescribing of arsenic as a hæmatinic seems to have declined considerably in recent years, as a statement in "The Prescriber" for August, 1936, indicated.

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COMPANY NEWS

OXYGENAIRE (1941), LTD. (P.C.).—Capital £1,000. Objects: To carry on business as manufacturers of and dealers in oxygen tents, oxygen supplies and requisites. George W. Higgs, Parkside Cottage, Sandown Road, Esher, Surrey, and William C. Williamson, The Bungalow, Greatwood, Northaw, Herts, directors. Solicitors: W. F. Foster, Hedge & Clare, Raymond Buildings, London, W.C.1.

COLLINS ARDEN PRODUCTS, LTD. (P.C.).—Capital £3,000. Objects: To acquire the business of manufacturers of and dealers in concentrated foods, essences, etc., comprised in an agreement with James Collins and Arden Scott-Fisher. James Collins, 6 Arlington Lodge, London, S.W.5, and Arden Scott-Fisher, 14 Liners Wood, Bramley, Guildford, directors. R.O.: 34 London Wall, London, E.C.2.

BOXHALL MANUFACTURING CO., LTD. (P.C.).—Capital £1,000. Objects: To carry on business as manufacturing and wholesale chemists, manufacturers of and dealers in hair waving, drying and cutting machinery, manicure sets, cosmetics, etc. William and Mrs. Anne Boxhall, both of Kirkoswald, Uplowman Road, Tiverton, and George Symons, 22 Fore Street, Kingsbridge, directors. R.O.: 4 Sun Street, Exeter.

SPECTRALITE, LTD. (P.C.).—Capital £100. Objects: To develop the application of fluorescent and phosphorescent materials to advertising display; to manufacture and deal in dyes, chemicals, etc. Ronald L. Demuth, 20 Hollycroft Avenue, London, N.W.3; James D. Fraser, Accra, British West Africa; and Harold McK. Langton, 32 Craven Terrace, Lancaster Gate, London, W.2, directors.

J. A. SYMONDS, LTD. (P.C.).—Capital £5,000. Objects: To acquire the business of chemists, druggists and photographic dealers carried on by representatives of the late James A. Symonds. Evelyn Staunton, 8 Westerfield Road, Ipswich; Mrs. Violet Cook, M.P.S., Foxhall Place, Foxhall, nr. Ipswich; Irene M. Symonds and Phyllis G. Symonds, both of 14 Westerfield Road, Ipswich, directors. R.O.: 16 Upper Brook Street, Ipswich.

W. H. HOBBS & Co., LTD.—Messrs. E. R. McHenry and A. J. Plastow, who have been on the staff of the company for the past twenty-five years, were in October elected to seats on the board of directors.

DEED OF ASSIGNMENT.—Creditors of Thomas Edgar Mellor, M.P.S., 8 Market Street, Leicester, are required to send in names, addresses and particulars of claims to the trustee (T. Rimington, 8 Horsefair Street, Leicester) on or before November 29.

BANKRUPTCY.—Jacob Nathan Lever, M.P.S., 6 Hanover Gardens, Broughton Park, Salford, lately carrying on business at 131 Great Ducie Street, Strangeways, Manchester: discharge suspended for eighteen months (takes effect, March 22, 1943).

CONTROL OF CONFECTIONERY

THE Minister of Food has directed that the Order relating to the control of confectionery (see *C. & D.*, October 25, p. 117) shall apply to manufacturers of classified goods from November 17. The provisions of the Order forbidding the defacement of price tickets will also apply from that date. The control so far as wholesalers are concerned will apply from December 15 and to retailers from January 12, 1942. Before the Order can be applied in full, time must be allowed to distribute the goods with the authorised price tickets to the trade. In an attempt to secure maximum economy, the industry has rationalised its transport, calls on shops being made as infrequent as possible. The result is that some four weeks must be allowed for delivery of goods to wholesalers and a further four weeks to retailers. It would be unjust to a trader to expose him to prosecution for failing to display a price ticket he had not received. So far as medicated confectionery is concerned it has not yet been decided whether this will come within the scope of the Order. There have been meetings between various manufacturers of chemists' confectionery and the Committee of the Sugar Confectionery (War-Time) Association. Various suggestions have been put forward, among others that goods usually sold by chemists should be retailed at higher prices than corresponding goods sold by other traders; that goods manufactured by firms who are members of the Chemists' Friends scheme should be given a separate classification, and that manufacturers of chemists' confectionery who are not members of the Association should have their products certified by the Wholesale Drug Trade Association as being supplied exclusively through chemists.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEMBERS present at the monthly meeting of the Council of the Pharmaceutical Society at Derby, on November 4 and 5, were the president (Mr. W. Deacon), the vice-president (Mr. W. S. Howells), the treasurer (Mr. H. W. Wallis), Mrs. J. K. Irvine, Sir Malcolm Delevingne, Sir Walter Langdon-Brown, Messrs. J. T. Appleton, J. H. Franklin, H. M. Hirst, J. Jack, G. R. Knox Mawer, J. F. McNeal, A. R. Melhuish, L. M. Parry, E. S. Peck, P. F. Rowsell, H. C. Shaw, H. Skinner, F. G. Wells, B. A. Williams, F. C. Wilson and J. C. Young, with the secretary and registrar (Mr. Hugh N. Linstead).

Tuesday's Session

Among the matters dealt with at the Tuesday session was the following:

Pharmacy and Medicines Act.—Letters were received from the Cardiff and District Branch, the Birmingham and District Branch and the Anglesey, North Carnarvonshire and Colwyn Bay Branch conveying the views of the respective branches on the Act. The by-law to provide for registration and retention fees in respect of premises registered under Section 1 of the Pharmacy Act were read a second time.

Wednesday's Proceedings

Sympathetic reference was made by THE PRESIDENT to the death of Mr. C. L. Butchers, registrar of the Pharmacy Board of Victoria and honorary member of the Society, and of Sir Arthur Hill, director of the Royal Botanic Gardens, Kew.

Movement of Employees

In accordance with notice, MR. WILLIAMS proposed that the Central Pharmaceutical War Committee be asked to arrange that any subcommittee which might deal with restrictions upon the movement of employees should be so constituted that there was an even balance between representatives of employers and employees in its membership. This was very obviously a necessary step to take, he said. In war-time the "freezing" of staffs, a revolutionary proceeding in itself and striking at the very basis of freedom, might be justified, but measures should be taken to secure that the interests of those concerned were considered. They

numbered many thousands and their present representation on the subcommittee was woefully inadequate. MRS. IRVINE, who seconded, remarked that managing directors could not be regarded as representing employees. MR. MCNEAL suggested that adoption of the proposition would mean that the Council would be telling the Central Committee to elect Mr. Williams. THE SECRETARY observed that the resolution did not imply that the present subcommittee would deal with the matter, as the Central Committee might decide to set up a new subcommittee. Mr. Williams' idea was that whatever body was appointed there should be equal representation thereon. MR. MCNEAL replied that if the Council said there must be equal representation the implication was that the present representatives were not able to give a fair and reasoned decision. He moved as an amendment that any subcommittee should be so constituted that there should be representatives of employees in its membership. This was seconded by MR. SHAW. MR. WILLIAMS in reply, pointed out that he sat on the Central Committee as a representative of the Council and not of employees or any outside section. MR. MCNEAL insisted that Mr. Williams was elected to the committee because he represented the employees.—The amendment was carried.

Dispensing for Service Men's Dependents

MRS. IRVINE moved that the Council take action to ensure that the payments to be made to dependents of men in the Force in respect of medical attention did not include the provision of medicine by the doctor. She described the present allowances as pitifully inadequate, and said pharmacists had had the sad experience of losing the dispensing for evacuated children and uninsured and necessitous evacuated adults, and she wanted to be sure that they did not lose also the dispensing for half a million dependants. Seconded by MR. SHAW, the motion was carried after THE SECRETARY had intimated that immediate action would be taken in the matter in conjunction with the National Pharmaceutical Union.

Registration

Names of four pharmacists and twelve premises were removed from the Register

in consequence of non-payment of fees, and thirty-six pharmacists were restored. Persons registered as apprentices or students during the past month had numbered twenty-nine.

Acknowledgment

A letter was received from the Russian Ambassador thanking the Council for their message of sympathy with the pharmacists of Russia.

Examination Regulations

On the recommendation of the Education Committee it was resolved to amend the examination regulations so as to permit candidates to be examined upon new legislation and new scientific developments affecting the subjects of the examinations.

Alien Pharmacists

As chairman of the Education Committee, Mr. ROWSELL reported that ten students were attending the course for alien pharmacists, a number which was not so large as expected.

Pharmacological Laboratories

The quarterly report of the Pharmacological Laboratories had been received by the Establishment Committee, who agreed that application should be made to the Royal Society for a grant of £100 for the purchase of animals.

Finance

Returns were presented showing that, up to October 21, £37,645 had been received in members' fees as compared with an estimate of £36,650 for the whole year, £15,808 in chemists' fees as compared with £15,000, £6,173 in examination fees as compared with £15,000, and £1,162 in registration fees as apprentices or students as compared with £1,500. To the general Benevolent Fund £2,416 had been subscribed as against £775 in the corresponding period of last year, to the war aid fund £10,405 as against £11, and to the orphan fund £358 as against £29.

Goods in Short Supply

Presenting the report of the Publications Committee, the VICE-PRESIDENT stated that they had carefully considered the conditions under which advertisements for the sale and exchange column of the journal could be accepted, and had reached certain decisions regarding advertisements for goods in short supply, including cosmetic and toilet articles and ingredients for these

articles, and for saccharin. The Council confirmed the decisions.

Public Services Committee

Dealing with the question of the appointment of a pharmacist commissioned officer at the War Office the Committee recommended "That the Memorandum as amended be circulated to certain Members of Parliament likely to be interested and that they be invited to attend a meeting to discuss the Memorandum and the procedure for raising the matter with the War Office."—It was reported that representatives of pharmaceutical organisations had been invited to a meeting at the Ministry of Food to discuss criticisms that had been made concerning the distribution of sugar for medical purposes. The Society had been represented by Mr. C. E. Corfield. As an outcome of the meeting steps were being taken by the Ministry with a view to ensuring that pharmacists received sufficient sugar for making B.P. and B.P.C. preparations.

War Aid Committee

THE SECRETARY reported that the total of the Fund in response to the president's appeal was £15,197 8s. 3d. on November 1. The secretary further reported the formation of the Aid to British Pharmacists Group in America, an effort sponsored by a number of men well known in American pharmacy. Since the last meeting seven donations, totalling £85, had been received from branches of the Society and allied pharmaceutical organisations. The amount expended in grants to date was £1,139 9s. 6d. The sum of £17 16s. 3d. had been expended in sending a copy of the Extra Pharmacopœia, Volume II, to each of nineteen prisoners of war in connexion with the study scheme devised for the benefit of these members.

NEW GOVERNMENT POSTER.—The Ministry of Information has prepared for exhibition at places of work a poster giving examples of income tax payable by wage earners at various levels of weekly wages.

Closed on Saturdays.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., c/o The Pitman Press, Bath, Somerset.

HANBURY MEDALLIST'S ADDRESS

At the first of a series of meetings, being held in place of the evening meetings, at the Pharmaceutical Society's House, 17 Bloomsbury Square, London, W.C.1, on the afternoon of November 13, Dr. Harold King, F.R.S., of the National Institute for Medical Research, the recipient of the Hanbury Medal, delivered an address on "Chemistry and Pharmacy," of which the following is an abstract.

In choosing a title for my address I had in mind the mutual repercussions of chemistry and pharmacy. In order to deal adequately with this subject I should need far more time than I have at my disposal this afternoon, so with the Pharmacopœia as a background I propose to deal, within the framework of my title, with certain selected topics of general historical interest and with others which have a bearing on work upon which I have been engaged during the last ten years or so. The use of the Pharmacopœia as a background will, I think, probably command general acceptance since the Pharmacopœia is a mirror of progress in pharmaceutical chemistry, in pharmacology and in therapeutics.

Interdependence of Chemistry and Pharmacy

At the present time every pharmacist recognises the close interdependence of chemistry and pharmacy; the two subjects meet in what is called pharmaceutical chemistry. Not only are pharmacy and chemistry interdependent at the present time, but they have been so throughout the ages. Their secrets have been handed down, often by word of mouth, in the form of workshop traditions, from time immemorial. During the Dark or Middle Ages chemistry and pharmacy were inextricably interwoven because alchemists and pharmacists used the same laboratories and often the same materials. It was only during the middle part of the eighteenth century that chemistry began to blossom out of pharmacy to become the prominent science as we now know it. The ramifications of chemistry are today so wide that the branch of pharmacy called pharmaceutical chemistry is now one of chemistry's most important subdivisions. This development in the eighteenth and early part of the nineteenth centuries owed much to the labours of pharmacists.

It is a striking fact that about 4,000 B.C. there were contemporary civilisations in China, Egypt, Babylon and Sumeria.

There is documentary evidence that these had initially their own materia medica, but with the passage of time Japan, India, Persia and other countries have contributed to the common heritage of pharmaceutical practice. America and Australasia have no documentary material of comparable antiquity, but the materia medica are there also, unique and abundant. With the passage of the centuries the materia medica have increased enormously and have undergone great changes. Although primarily of interest to the pharmacist they are of great importance to the organic chemist and the biochemist, for they are the great reservoir of naturally-occurring materials of plant and animal origin.

Plant Alkaloids

Let us consider one class of chemical substances, the plant bases or alkaloids. These substances represented the first great pharmaceutical development of the nineteenth century and very many of them were isolated by pharmacists. Pelletier who isolated many alkaloids, was a pharmacist, and, with the exception of Scheele, was probably the most talented scientific worker pharmacy has ever known. There are in the present B.P. about twenty-one pure alkaloidal bases or their salts and of these about sixteen were first isolated by pharmacists. This early work on alkaloids was a great contribution made by pharmacy to chemistry. In turning over the pages of a recent book on the alkaloids by a former Hanbury medallist, Dr. Henry, I found that there were, for instance, about thirty-one alkaloids containing fifteen carbon atoms, thirty-three containing sixteen carbon atoms, twenty-six containing seventeen carbon atoms, and forty-seven containing eighteen carbon atoms, a total of 137 relatively simple bases, the majority of which are of unknown constitution. Here, surely, is an entrancing field of research.

All those who are familiar with the changes which have occurred in succeeding editions of the B.P. in recent years must have been struck by the decrease in the number of plants and plant galenicals, and the great increase in the number of synthetic drugs. It is not generally known that Runge, who in 1834 published his classical essay on the remarkable products obtained by the distillation of coal, was a pharmacist. This work was the basis of the dyestuff

industry and of the synthetic organic remedies. Full credit must, however, be given for subsequent developments to the work of the chemists Hofmann and W. H. Perkin, nor must we forget the brilliant prediction of the constitution of benzene by Kekulé.

Pure Chemical Substances

In the Pharmacopœia for 1932 and its various Addenda there are about 100 pure chemical substances used as drugs, and it is instructive to pause for a while and examine how some of these substances have originated. Aspirin was discovered by Gerhard in 1853, but it was not until forty-six years had elapsed that Dreser introduced it into therapeutics. The remarkable drug sulphanilamide was prepared by Gelmo in 1908 in a search for components for dyes, but it was only in 1935 that its unique properties were discovered by the two Trefuels, Nitti and Bovet. Carbon tetrachloride was first prepared by Dumas, the great apothecary, chemist and statesman, in 1840, but it was not until 1921 that Hall in America discovered its action on hookworms. Liebig, who was the real founder of organic chemistry, started his career as an apprentice to an apothecary. A second group of about thirty-two pure organic substances comprises the active principles which have been isolated from plant and animal tissues. In the isolation of these active principles or "quintessences," we see the materialisation of the dreams of Paracelsus, the first great pharmaceutical chemist. The third group, comprising about thirty substances, has arisen mainly as the result of organised research, the interval between the preparation of the substance and the discovery of its therapeutic properties being very short.

Value of Organised Research

Long-term organised research in the pursuit of new drugs is the duty of the large commercial organisations and of their subsidised institutes or research associations, and the *laissez-faire* methods of research should be the prerogative and reserve of the university worker. There is ample evidence that we are alive to these necessities in this country, but in my opinion we do need more organised research into the chemistry of synthetic drugs, more pharmacologists and more pharmacological examination of the products of the chemical laboratory.

The Curare Alkaloids

A remarkable example of what can be done by organised research is demonstrated by the work of Folkers in the laboratories of the American pharmaceutical house of Merck. Largely through the stimulus given by the investigations of Ranyard West in this country, an attempt has been made by physicians in recent years to treat muscular rigidity and various spastic conditions due to nervous disorders with substances possessing a curare-like action. With the aid given by a talented botanist named Krukoff, Folkers, the chemist, and his pharmacologist Unna have examined fifty-one species of *Erythrina* out of 105 known species. These have been collected in tropical and subtropical countries all over the world, and all so far examined have been found to contain alkaloids with a curare-like action which is more evanescent than that of native curare.

Early in 1932 I became interested in the curare alkaloids with the two-fold object, first, of helping Dr. Ranyard West, and secondly, of throwing some light on the chemistry of these obscure substances. It is outside the scope of this address to deal with the chemistry of various native curares, and I can only make a passing reference to them. It is, however, established that the active principles of curare do come from *Strychnos* species and from species of *Chondrodendron*.

The South American natives, of whom it is estimated that about one million still use the blow-gun for hunting, put their curare preparations into various kinds of container, the three chief being bamboo-tubes, earthenware pots and calabashes or gourds. Although it was thought at one time that the type of container was diagnostic of the type of curare contained in it, this is by no means a safe generalisation. Some of these native preparations are very rare and inaccessible. Through the kindness of Mr. Wallis, who was the last to have the honour of receiving the Hanbury medal, pharmacy came to the aid of chemistry, and I was able to examine a specimen of tube-curare which was deposited in the Pharmaceutical Society's museum almost 100 years ago. This enabled me for the first time to prepare one of the active principles of these arrow poisons—the one called tubocurarine chloride—in a crystalline state. Tubocurarine chloride probably comes from *Chondrodendron tomentosum*, a bush-rose which grows around the upper waters of the Amazon in Peru, but exact confirmation of the parent

plant must probably await more settled international conditions.

Through the kind co-operation of our Colonial Office and of the Curator of Forests in British Guiana, I have been able to examine eleven species of *Strychnos*, which the Curator, Mr. B. N. Wood, collected, and, of these, five had a curare-like action. With the assistance of British consuls in other parts of South America and of Dr. Randolph Major, of the American pharmaceutical house of Merck, I have also been furnished with samples of five species of *Chondrodendron*, but only one contained an alkaloid with a curare-like action. Whether any of these alkaloids from species of *Erythrina*, *Strychnos* or *Chondrodendron* will ever reach the status of adoption by the Pharmacopœia it is too early to say.

It was during this investigation of *Chondrodendron* species that I was led to an examination of a product which was formerly in the B.P. called *radix pareirae bravae*, and about whose origin there has always been an element of uncertainty. Daniel Hanbury, whose enduring memory we celebrate today, tried with characteristic artistry to solve the mystery of the botanical

origin of *pareira brava*. He compared specimens of the drug which he obtained from Rio de Janeiro with herbarium specimens and came to the conclusion that it originated from *Chondrodendron tomentosum*; however by the application of chemical methods to the examination of the alkaloids of various *Chondrodendron* species and of the drug purchased on the English market, I have found that the so-called *pareira brava* comes from two species known as *Chondrodendron platyphyllum* and *Chondrodendron microphyllum*. I have mentioned that Daniel Hanbury named *Chondrodendron tomentosum* as the source of *pareira brava*, but a close study of Hanbury's account of his researches into this question shows that he probably regarded *Chondrodendron platyphyllum* and *Chondrodendron tomentosum* as identical, a view which was easily understandable at the time that he worked.

Hanbury gave a detailed account of *pareira brava*, and although there is a gap in the very early history, it is a testimony to his accuracy and thoroughness that he have completely failed, by a search in the London libraries, to find anything to add to what Hanbury has written.

EMPLOYEE ORGANISATION

A MEETING of the Sheffield Branch of the Pharmaceutical Society was held on November 6, Mr. J. E. Crowe in the chair. At the request of the chairman, members stood in silence to the memory of Mr. F. A. Lester who had passed away on November 4. Mr. Crowe then opened a discussion on "Solving our Present Staffing Difficulties" by stating the exact procedure to be followed by members in order to retain women drug staff. They must register as dispensers and not as shop assistants, and he could vouch that the Pharmaceutical War Committee would fight for the retention of nearly all these women as their going would make pharmaceutical service to the public most difficult. Mr. Crowe gave an outline of a plan to train young girls with secondary-school education in pharmacy for the duration of the war. He suggested members should learn from the multiple stores, and divide the training into a number of specific tasks each month (e.g. pricing and ticketing goods, learning use of various medicines, helping in making stock mixtures), each under the pharmacist's guidance.

Discussion followed and a good suggestion was that the local Pharmaceutical War

Committee should notify the girls' secondary schools and Ministry of Labour of possible vacancies in each district.

Association of Pharmaceutical Employees

The chairman, introducing the secretary, addressed on "Organisation of Employees," said he was sorry to announce that Mr. Kirman was leaving them to take up a post as adult education organiser.

Outlining the recent history of employee organisation, the secretary showed how the economic conditions existing in 1935 and 1936 had led to the formation of an association to protect their interests. He pointed out that the Council was asking pharmacists to discuss something which was, in the large industrial centres, a *fait accompli*. The Association of Pharmaceutical Employees had made steady progress, and was the counterpart of the N.P.U. It was obvious that employee pharmacists should have a similar strong organisation, particularly in view of the reconstruction period after the war. Discussion followed, and there was general agreement that, as more than half the pharmacists on the Register were employees, there should be an Association to protect them.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4-5 Queen Square, London, W.C.1, on October 29, Mr. A. Dobson in the chair. The committee received a memorandum on registration of chemists and druggists and makers of toilet preparations for purchase-tax purposes. Resolutions supporting the Union's application for increased remuneration for N.H.I. dispensing were received from the Bath, Wrexham, Reading, North Metropolitan and Thames Valley Branches. A resolution from the Cardiff N.P.U. Branch and local branch of the Pharmaceutical Society, expressing the view that the provisions of the Pharmacy and Medicines Act, 1941, were detrimental to pharmacy, was also received.

MR. EVANS submitted a report of the drug-trade council subcommittee, with draft constitution as submitted to the Wholesale Drug Trade Association for its approval. At the time of the meeting this approval had not been received.

Competition Award

MR. HEARLE presented a report of the trading-policy competition subcommittee, and recommended the committee to award the £50 prize to Mr. S. Hubert Blore, Salford, for an entry which, in the opinion of the subcommittee, included all points covered by other entrants (see p. 204).

Air-raid Assistance

The secretary presented a report of the Air-raid Assistance Fund. Approximately 3,900 members had renewed their subscriptions for the current quarter, and this the Executive regarded as satisfactory in view of the introduction of various Board of Trade insurance schemes with consequent increase in non-productive overhead expenses. The Local Organisations Officer reported activity in many branch areas, and arrangements were made for members of the executive committee, and for the officers, to address twelve branch meetings before Christmas.

N.H.I. Remuneration

The chairman of the Central N.H.I. Committee (MR. A. R. MELHUISE) submitted the report of a deputation that had interviewed the Ministry of Health on October 10, when figures in support of an application for increased remuneration had been asked for. THE SECRETARY submitted a summary

of returns received from chemists, comparing war-time overhead expenses with similar figures in the last pre-war financial year. A vote of thanks was passed to members of the deputation for the excellent way in which the case for increased remuneration had been presented. Other matters considered included prescriptions lost through enemy action, purchase-tax charges, and alterations in the Drug Tariff necessitated by introduction of the National War Formulary.

Chemists' Defence Association

Eight new claims were reported, and settlements effected in eight outstanding claims were approved. The settlements included payments of £1,094 in claim for damages for personal injuries alleged to have been caused by an article supplied by a member; £1 16s. 5d. for damages to cycle; £33 7s. 6d. for damage alleged to be due to supply of over-strength battery acid; and £42 for personal injuries alleged to be due to medicine supplied.

Proposed Alteration to Rules

The question whether provision should be made for the continued membership of businesses which had ceased to be conducted as "authorised sellers" of poisons owing to non-availability of qualified staff in war conditions, was fully considered. The directors agreed in principle that provision should be made for the continuance of membership in respect of such businesses, subject to proper safeguards (e.g. inquiry and recommendation by the local N.P.U. Branch). No defence would be provided for any such business in any prosecution under the Pharmacy Acts, 1852 to 1941, and the amount of the annual indemnity for claims would be limited to £500. Alteration of the C.D.A. rules will be required to give effect to this policy, and a special general meeting of members is to be convened to secure approval for the alterations.

Chemists Defended in the Courts

Two members had been defended in summonses under the Prices of Goods Act; in one case a fine of £1 had been imposed, with costs for the prosecution; the other summons had been dismissed on payment of costs and return of an amount inadvertently overcharged. Fines of £1 and £2 10s. had been imposed on two members involved in proceedings under the Lighting

Restrictions Order, and a member summoned under the Dangerous Drugs Act had been fined a total of £25. Dismissal of a summons under the Food and Drugs Act, with costs against the prosecution, had been secured in proceedings against a member who was alleged to have supplied an ointment deficient in mercury to the extent of 66 per cent.; it transpired that the inspector had intended to ask for mercury ointment (in response to which ung. hydrarg., B.P., would have been the article to supply) but had in fact asked for mercurial ointment and been supplied with ung. hydrarg. mit., B.P.C., of the correct strength.

Chemists' Friends Council

A meeting of the C.F. Council was held on October 21, Mr. I. V. L. Fergusson in the chair. An application from a manufacturer for inclusion of his products in the C.F. list was considered and accepted, subject to further inquiries proving satisfactory. Four applications from wholesalers for the inclusion of their names in the approved wholesalers' list were considered; of these one from England was not accepted; two from Scotland were deferred to enable the Scottish C.F. committee to submit a report, and one from Northern Ireland was accepted upon the recommendation of the Ulster Chemists' Association. A resolution was passed that all future applications from new companies for inclusion of their names in the C.F. list should be subjected to inquiries before being brought before the Council. The Medicines and Pharmacy Act, 1941, and its possible effect upon the C.F. Association, was the subject of considerable discussion by the Council; the matter was deferred for consideration at the next meeting. Alterations in trade terms and/or retail prices, submitted by Meggeson & Co., Ltd., and S. Smith & Co., were accepted. The council found itself unable to accede to a request from a C.F. manufacturer to supply his products to the welfare department of a small industrial concern. The council received and approved the Association's balance sheet and income and expenditure accounts for the year ended September 30, and a draft copy of its report for 1941.

It was resolved that the annual election of manufacturers and wholesalers' representatives to the C.F. Council should be held as in former years, and that the annual meeting of C.F. manufacturers should be

held on November 26, following a luncheon for manufacturer members of the Association, to which the executive committee of the N.P.U. would be invited as guests.

"Trading Policy" Competition

MR. S. H. BLORE, 36 Broad Street Pendleton, Salford, 6, has been adjudged the winner of the £50 prize offered by the National Pharmaceutical Union for a statement of 200-300 words on "The best trading policy for chemists in view of the conditions created by the passing of the Pharmacy and Medicines Act, 1941." Mr. Blore's entry was as follows:—

The Medicine Stamp repeal may actually benefit the pharmacist if it awakens him to these facts:—

1. The patent medicine manufacturer has for years cashed in on the value of the pharmacist's qualification to sell his products.
2. The cheaper the sizes he now markets, and the wider he distributes them, the cheaper their prestige will become, if only the pharmacist will divorce himself from them.
3. The war gives the pharmacist a unique opportunity to relegate patents to the back shelves and to replace them for ever by counter prescribing or packing an alternative, which his public will now gratefully accept. By the end of the war such a pharmacist's prestige can be enormously enhanced and his products established too firmly to be afterwards beaten down by advertising clamour.
4. Turnover is a false god. Net profit alone matters. His trading policy should therefore be:—
 - (i) To show neither in window nor on shelf any patent medicine other than C.F. goods.
 - (ii) To encourage counter prescribing.
 - (iii) To develop the personal interest in his public to the limit.
 - (iv) To use his qualification and knowledge hourly.
 - (v) To encourage the habit of packing "own name" specialities.
 - (vi) To let his window show constantly the products of his own work and nothing else, except C.F. shows.
 - (vii) To supply patents when requested. To assume otherwise that they do not exist.

This policy is not an idle dream. It works and pays—in net profit.

TRADE NOTES

RE-USEABLE COLLAPSIBLE BOXES.—The address of Colville Trust, Ltd., is 271 High Road, Willesden Green, London, N.W.10, and not as stated in the *C. & D.*, November 1.

NIBLETT'S VITAL RENEWER.—C. P. Niblett, 10 Litchfield Terrace, Richmond, Surrey, in their advertisement in this issue give some details of Dr. Niblett's Vital Renewer, an old-established preparation for the treatment of neuritis, sleeplessness and other nervous disorders.

LUCIFER SANITARY TOWELS.—Under the brand name Lucifer, Henry Franc & Lauder, Ltd., Manchester, offer all-cotton-wool towels of long-fibre cotton with non-absorbent backs, in three sizes, and towels with knitted covers (for extra comfort in use), in medium size only.

TREATMENT OF BLACKLEG IN CATTLE.—Wellcome blackleg aggressin-vaccine, a recent addition to the range of veterinary biological products issued by Burroughs Wellcome & Co., is designed for the prophylaxis of blackleg in cattle, and is available in containers of 50 c.c. and 100 c.c.

BOTTLE BRUSHES.—The current number (No. 38) of the "Bottler's Bulletin," issued by the Thomas Hill Engineering Co. (Hull), Ltd., Hull, is devoted mainly to bottle brushes. Besides giving details of manufacture, selection and use, the bulletin includes an attractive illustration of a so-called "bottle-brush plant," the Australian shrub *Callistemon speciosus*.

GOYA PERFUMERY.—Supplies of the two new Goya perfumes, English Rose and Heather, are available in limited supplies, as are also the range of Goya lipsticks. It is announced that Goya perfumery is to be the subject of a series of advertisements during the coming months with a view to maintaining the company's repute and chemists' trade when peace returns.

THERMEGA BLANKETS AND PADS.—In addition to providing warm beds for healthy persons, Thermega electrically heated blankets and beds are of great value to sufferers from rheumatism, lumbago and other ailments where warmth is a curative factor. Full details of these products can be obtained from Thermega, Ltd., 51-53 Victoria Street, London, S.W.1.

RYNCHENE is a tablet recently placed on the market by Rynchene Products, Chapel Street, Bradford, and is intended to strengthen natural and synthetic clothing material fibres to eliminate traces of soap

after washing and to improve colours. A small-size package of the tablets is stated to be sufficient to treat thirty-six pairs of stockings, twelve dresses and twelve sets of lingerie.

QUOTA FOR YARDLEY PRODUCTS.—Yardley & Co., Ltd., Sackville House, Piccadilly, London, W.1, remind chemists that if orders are not received by the company by December 1 it will be assumed that their quota is not required and it will be offered elsewhere. The attention of chemists is drawn to the Yardley make-up base and Yardley liquid foundation; both these products are illustrated on another page in this issue.

SCOBENOL.—Under this title Boots, Ltd., Nottingham, have introduced a benzyl benzoate solution for the treatment of scabies. The preparation is a clear, stable liquid containing 25 per cent. benzyl benzoate, 25 per cent. soft soap and 25 per cent. isopropyl alcohol. One bottle of four fluid ounces is sufficient for the treatment of an adult patient except in severely infected cases. A leaflet giving further details may be obtained on application to the Medical Information Department, Station Street, Nottingham.

NEW EMULSIFYING AGENTS.—Two new emulsifying substances have recently been issued by Imperial Chemical Industries, Ltd. Cellufas WLD is an ether of cellulose, which is readily soluble in water, producing solutions of neutral reaction. It is non-hygroscopic, remarkably stable to chemical reagents and is without physiological effect. Its uses depend on the fact that even in low concentrations it gives very viscous solutions, behaving as a powerful protective colloid. It is a substitute for starch, natural gums and similar mucilages. It is also a binding agent for finely divided pigments, etc., and has application as a stabiliser for emulsions of oils, fats and waxes in water. A film of the substance can be hardened by spraying with formaldehyde. Cellufas WFZ is the sodium salt of a cellulosic acid and is obtainable in three viscosity grades. It is soluble in hot and cold water. It is useful as a thickening agent and has application in toilet preparations such as tooth-pastes, hair fixatives of the oil-in-water emulsion type, shaving creams, etc. The fact that it is the sodium salt of a moderately strong acid renders it able to buffer the pH of solutions, making it suitable for use in emulsions which must not vary in pH value.

Proprietary Articles Trade Association

Alterations to Protected List.—*E. N. T. Manufacturing Co., Ltd.* Orders for E.N.T. capsules and powders value of 40s. and upwards are subject to discount of 10 per cent. to retailers, in return for fourteen days' window display.

Evans-Williams Co., Ltd. Henna and chamomile brilliantine, 1s. 3d., 10s. doz., tax 3s. 4d. doz., inclusive retail price 1s. 6d.

Lofthouse & Saltmer, Ltd. Losall's podophyllin pills, 1s., 8s. 6d. doz., tax 1s. 5d. doz., i.r.p. 1s. 1½d.; 2s. 6d., 22s. doz., tax 3s. 8d. doz., i.r.p. 2s. 10d.; 4s.; 33s. doz., tax 5s. 6d. doz., i.r.p. 4s. 5½d.

MacKenzie's Laboratories, Ltd. Cole's family ointment, 1s. 1d., 9s. 6d. doz., tax 1s. 7d. doz., i.r.p. 1s. 3d.; 7d., 5s. doz., tax 10d. doz., i.r.p. 8d.

Page-Woodcock, Ltd. Special quantity discounts to retailers withdrawn.

Petrole Hahn (Agents: R. Hovenden & Sons, Ltd.). Special quantity discounts to retailers withdrawn.

Potter & Clarke, Ltd. Dr. Thompson's slippery elm food, new ½-lb. size, 1s. 6d., 13s. 6d. doz. Exempt from tax.

Silvikrin Products (Agents: Scott & Bowne, Ltd.). Prices in Ireland (Eire): Silvikrin lotion, 1s. 10d., 16s. 6d. doz.; 4s., 36s. doz.

Splendor, Ltd. Temporary bonus offer on Propax tablets withdrawn. Cro-pax foot aids: No. 9, arch supports, 9d., 6s. doz.; Nos. 17, 18, 21, 6d., 4s. doz., exempt from tax; No. 20, medicated corn-caps, 9d., 6s. doz., tax 2s. doz., i.r.p. 11d.

Stemco, Ltd. 4-oz. size Flit, and bonus terms for this size, withdrawn.

Vitamins, Ltd. (Selling agents: *J. C. Eno, Ltd.*). Bemax no longer available in Ireland (Eire).

Whitaker & Co. (Kendal), Ltd. Auroral cold-water dyes and Luton straw-hat dyes: Discount of 5 per cent. to retailers is for cash in seven days, instead of against invoice as formerly. Special terms for £4 and £8 parcels are temporarily withdrawn.

Deletions.—*Evans Sons Lescher & Webb, Ltd.*, Hawley's I.K. bellows. *Optrex, Ltd.*, Optrex eye masks. *Squire & Sons, Ltd.*, All products except Feroal deleted.

TRADE MARKS

(From "The Trade Marks Journal,"
October 15, 1941.)

"EPOCH"; for preservatives and sweetening materials; also for syrups, etc., for making beverages (1) (32) (IV). By Epoch Products, Ltd., 1 & 3 Vivian Mansions, London, N.W.4. 615,818/21. (Both Associated.)

"TERRAMAR" (device of a globe in a triangle); for sweetening materials, milk powder substitutes, food preparations, etc. (1) (29) (30) (IV). By Terramar Products, Ltd., 54 Piazza Chambers, Covent Garden, London, W.C.2. 615,929/806/7. (All Associated.)

"HEYDAY"; for essential oils, cosmetics, hair lotions and dentifrices (3) (IV). By Seal Laboratories, Ltd., 66 Finsbury Pavement, London, E.C.2. 615,787.

"OGAL"; for optical instruments, etc. (9) (IV). By Optical Glass Accessories, Ltd., Waterloo Road, Salisbury. 615,364.

"TALYM"; for lenses, optical apparatus, and measuring instruments (9) (IV). By Taylor, Taylor & Hobson, Ltd., 104 Stoughton Street, Leicester. 615,781. (Associated.)

"ELLADOR"; for food preparations consisting principally of yeast (30) (IV). By Vi-Products (Sheffield), Ltd., Claywheels Lane, Wadley Bridge, Sheffield. 615,022.

CONVERSION OF SPECIFICATIONS

Section 36 (3) and Rules 6 to 8

To Schedule IV (with amalgamation): Specification No. 51,702, by W. Gossage & Sons, Ltd., and Specification No. 52,578, by F. C. Calvert & Co., Ltd.

(From "The Trade Marks Journal,"
October 22, 1941)

"PARLON"; for chlorinated rubber (1) (IV). By Hercules Powder Co., 900 Market Street, Wilmington, Delaware, U.S.A. 614,044.

"SAVESSA"; for chemical substances for addition to petrol (1) (IV). By The Dubarry Perfumery Co., Ltd., Hove Park Villas, Hove. 615,647.

"DENOR"; for depilatory preparations and toilet preparations (excluding soap) (3) (IV). By Fortnum & Mason, Ltd., 181 Piccadilly, London, W.1. 615,493.

"FORREX"; for solid fuel (4) (IV). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 615,468.

"ZONI"; for antiseptic jelly (5) (IV). By Zonite Products Corporation, 405 Lexington Avenue, New York, U.S.A. 613,142.

"CUPRAGEN"; for medicinal, pharmaceutical, veterinary and sanitary preparations, all containing copper (5) (IV). By Genatosan, Ltd., 43 Regent Street, Loughborough. 615,530.

"FROTSAN"; for veterinary preparations (5) (IV). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 615,707.

"MERSILK"; for silk surgical ligatures (5) (IV). By G. F. Merson, Ltd., 18 St. John's Hill, Edinburgh, 8. 615,954. (Associated.)

WASTE PAPER!

DID YOU BEAT IT!

See C & D., November 8, p. 162

C. & D. DISPENSING PRICE LIST

Cost	<i>Due allowance has been made for purchase tax in both cost and dispensing prices</i>	Dispensing price		
		4 oz.	1 oz.	1 dr.
d.	per			
37	lb.	Acid. citrici pulvis	s. d. 1 5	s. d. 5 1
17	lb.	Acid. oleicum ..	8	3 1
66	lb.	Acid. tartaricum		
		cryst. vel pulv.	2 5	9 2
40	oz.	Acid. trichloracetic.	—	— 10
58	lb.	Ammon. persulphas	2 1	8 2
6	oz.	Ammon. thiocyanas	—	11 2
16	oz.	Bismuthi subgallas	—	2 4 4
26	lb.	Calamina B.P.C. ..	1 2	4 1 0
19	oz.	Calcii acetylsal.	—	3 1 6
125	lb.	Copaiba ..	4 5	1 4 3
36	lb.	Dec. scoparii conc.		
		1 to 7 ..	1 8	7 1
111	oz.	Emuls.m.pip.B.P.C.	—	13 4 2 0
33	oz.	Eugenol ..	—	4 10 9
19	oz.	Ext. buchu liq. ..	—	3 1 6
26	oz.	Ext. coloc. pulvis	—	4 1 7
11	oz.	Ext. coloc. co. ..	—	1 8 3
144	oz.	Ext. ergotæ S.I (5)	—	— 3 4
33	lb.	Ext. malti liquidum	1 6	7 —
46	lb.	Ferri et am. citras	1 11	8 2
36	lb.	Liq. bismuthi conc.	—	9 2
8	oz.	Liq. carmini ..	—	1 2 2
14	oz.	Liq. santali co. ..	—	2 2 4
26	lb.	Liq. sod phenatis co.		
		P.II (9)	1 4	6 —
21	oz.	Oleum abietis ..	—	3 1 6
28	oz.	Ol. anisi ..	—	4 1 7
116	oz.	Ol. menth. vir. Ang.	—	— 2 6
36	lb.	Ol. morrhuae ..	1 5	6 —
45	oz.	Ol. pini pumilionis	—	6 9 1 0
39	lb.	Ol. rusci ..	1 5	6 1
126	lb.	Ol. rusci ver. ..	4 7	1 5 3
49	oz.	Phenobarbitonum	—	7 10 1 2
		B only		
49	oz.	Phenobarbitonum solubile B only	—	7 10 1 2
12	oz.	Pil. coloc. co. pv.	—	1 11 4
14	oz.	Pil. coloc. et hyos. pulv. P.I (13)	—	2 3 4
24	oz.	Pot.guaiaicolsulph.	—	3 10 7
57	lb.	P. antim. S.I (5)	—	9 2
40	lb.	P. lobeliæ co.		
		B.P.C. ..	1 8	6 —
22	lb.	Saccharum ustum	—	10 3 —
45	lb.	Sodii citras ..	1 8	7 1
47	oz.	Spt. m. pip. Ang.	—	6 11 1 2
44	oz.	Spt. m. pip. exot.	—	6 7 1 0
150	lb.	Ung. aquæ rosæ ..	6 0	1 9 —
75	lb.	Ung. hyd. nitratis		
		S.I (5)	3 0	11 —
86	lb.	Ung. plumbi oleatis		
		S.I (5)	3 6	1 1 2
65	lb.	Vin. ferri ..	2 7	10 —
90	lb.	Vin. ipecacuanhæ		
		"14	3 3	1 0 —
57	lb.	Zingib. rhiz. Jam. pulv. opt. ..	2 1	8 2

PERSONALITIES

MR. ANDREW J. THORBURN, B.Sc. (Pharmacy), Ph.C., has been appointed lecturer in pharmaceuticals at the College of Technology, Leicester.

MR. G. BROWN, M.P.S., Bolton, has been nominated to serve on a special local committee set up to co-operate with the Employment Committee in considering representations by business people about enrolment of their staffs for war service.

MR. H. A. JOHNSTON, Ph.C., Main Street, Larne, is the subject of a pen picture in the "Larne Times." When he sat for his final examination in chemistry more than seventeen years ago the examiners, relates the paragraph, declared him to be the most brilliant student who had passed through the examination halls, and a special gold medal was struck and presented to him to commemorate that flattering opinion. In these difficult days he has, like every loyal man, placed his special knowledge and professional skill at the service of his country, and has qualified with honours as a gas-identification officer.

DEATHS

LESTER.—On November 4, Mr. Frederick Arthur Lester, M.P.S., 17 Cambridge Road, Sheffield, aged sixty-five.

MOULDEN.—Recently, Mr. William Henry Moulden, M.P.S., aged eighty-two. Mr. Moulden had been in business in Chapel Lane, Bingley, from 1889 to the time of his retirement. The business is now carried on by his son, Mr. F. M. Moulden, M.P.S.

STURTON.—Recently, Mr. Frederick Sturton, Ph.C., Bridge Street, Peterborough. Mr. Sturton was a director of Sturton & Sons, Ltd., chemists, until recently, when ill-health compelled him to seek partial retirement. He was secretary and treasurer of the local branch of the Pharmaceutical Society since its formation.

SUMNER.—At a nursing home in Carlisle, suddenly, on October 31, Mr. James Septimus Sumner, M.P.S., 10 English Street, aged fifty-four.

WEBBER.—At 10 First Avenue, Hove, recently, Mr. James Wilkey Webber, Ph.C., aged seventy-six. Until his retirement a few years ago Mr. Webber carried on business in High Road, Chiswick, London, W.

WHITE.—On November 3, Mr. Herbert White, M.P.S., Dacre Hill, Rock Ferry, Birkenhead. Mr. White passed the Minor examination in 1895.



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QUEEN'S ROAD, SHEFFIELD, 2

MARRSONA

YEAST FOR ANAEMIA

MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

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KI-UMA Pain-relieving Ointment and the Antiphlogistic Plasters have been used regularly for upwards of 10 years in the Royal National Hospital for Rheumatic Diseases, Bath. Your recommendation of these Professionally endorsed, time-proved products, will unite the Goodwill-value of "sound advice" with the immediate satisfaction of profitable turnover.

For full particulars of the KI-UMA Special introductory Offer, send a postcard to KI-UMA Ltd., 70 Circus Place, Bath.



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ANNOUNCEMENT

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COMING EVENTS

Wednesday, November 19

BIRMINGHAM BRANCH OF THE PHARMACEUTICAL SOCIETY Grand Hotel, at 3 p.m.
Mr. H. N. Linstead (secretary, Pharmaceutical Society) on "Why the 1941 Act was Passed, and What it Does."

Thursday, November 20

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 2.30 p.m.
Dr. W. T. Astbury, F.R.S., on "X-rays and the Stoichichemistry of the Proteins."

WEST HAM BRANCHES, NATIONAL PHARMACEUTICAL UNION and PHARMACEUTICAL SOCIETY, Stratford House, 43 West Ham Lane (opposite Queen Mary Hospital), at 3 p.m. Mr. R. H. Kemp (organisation officer, N.P.U.) on "The Pharmacy and Medicines Act and Other Matters of Topical Interest."

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

or RETAILER — WHOLESALER — MANUFACTURER

circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied trades and Industries in Great Britain, Eire, the British Empire and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

VOL. CXXXVI NOVEMBER 15, 1941 NO. 3223

The fact that goods made of raw materials are in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Restriction of Retail Trade

THE Board of Trade made an Order, on November 11, the Location of Retail Businesses Order, 1941, giving effect to the recommendations contained in the interim report of the Retail Trade Committee (p. 212). This report is now published as a White Paper (H.M. Stationery Office, 1d.). The Order is a war-time measure designed to prevent the opening of new shops and the sale at existing shops of categories of goods not previously sold there. It provides that after January 1, 1942, no person will be allowed, except under licence, to use any premises for the sale by retail of any categories of goods or the performance of any services specified in the Schedule (p. 213) to the Order if those goods were not being sold or if those services were not being performed at the premises in question at any time during a basic period. This period is defined in the Order as from December 1, 1940, to October 23, 1941. Consequently, traders who at any time after October 23, 1941, started a new business or started to carry on a business in a new category of goods or services specified in the Schedule at premises where such businesses were not

being carried on at any time during the basic period will not be able to continue doing so after January 1, without a licence. In the case of goods commonly sold in more than one type of shop, the position is best shown by an example: glue is commonly sold by ironmongers and stationers; an ironmonger selling glue is held to sell it as an ironmonger and he could not set up as a stationer without a licence. The length of the basic period has been fixed after consideration had been given to the question of variations in seasonal trading. The Order applies to finished goods normally sold by retail other than foodstuffs, and the Schedule includes classes covering drugs, medicines, medical and surgical appliances, optical and photographic goods, toilet preparations and perfumery, etc. Repairs, in general, are not covered by the Order.

Licensing Provisions

In general, licences to trade will be granted only if it can be clearly shown that the goods or services which the applicant proposes to sell or perform are reasonably required to provide for the essential needs of the public in the area concerned. Applications from the following classes of traders, however, will receive special treatment: (a) Traders who have lost the use of their premises through enemy action, through action taken by the Forces of the Crown in the defence of the Realm, or through requisitioning by a Government Department, will receive licences, provided (1) that the alternative premises which the trader proposes to use are within a reasonable distance of his former premises; (2) that his application for a licence is made within thirty days of the date at which he lost the use of his former premises; (3) that he proposes to carry on the same category or categories of trade or business as he carried on at the premises of which he has lost the use. (b) Traders who have lost the use of their premises as the result of enemy action and are accommodated in temporary premises by local authorities with a view to ensuring supplies of essential goods in heavily bombed areas, will receive licences for this purpose. A local authority will normally make such provision only for

traders who were established in their area before destruction occurred. (c) When two businesses in the same locality dealing in different categories of goods are amalgamated, the granting of any licence required to enable the combined business to be carried on at the premises of one of them will be favourably considered.

Licences will be issued regionally on behalf of the Board of Trade by the Local Price Regulation Committees. Applications for these licences should not be made before December 11. Full particulars of the licensing procedure with an explanatory memorandum will be issued later. In the meantime, inquiries should be addressed to the Assistant Secretary, Industries and Manufactures Department I, Board of Trade, Millbank, London, S.W.1. Persons contravening the provisions of this Order are liable, on summary conviction, to imprisonment for a term not exceeding three months and/or a fine not exceeding £100.

"De-Stamped" Trading Policy

THE Executive of the National Pharmaceutical Union is to be commended on its enterprise in organising a competition between its members, with a cash prize of £50, for a statement of 200 to 300 words on "the best trading policy for chemists in view of the conditions created by the passing of the Pharmacy and Medicines Act, 1941." The winning entry is published on p. 204 of this issue. The views put forward are definite and wholehearted, and they will doubtless receive full consideration by the manufacturers concerned as well as by retail pharmacists.

The opinions expressed in the entries, which numbered 131, were probably diverse in their outlook, and it is interesting in this connexion to note that the competition was judged by the Executive of the N.P.U., and one of the chief points on which the award was made was "practicability of policy." The "winning" policy is well stated, clear-cut, to the point and without reservation. It is either totally right or all wrong, so far as it relates to the retailer's attitude to trading in de-stamped proprietaries which are not C.F.

Some retailers will enthusiastically endorse the policy enunciated, while others may strongly disagree with it. The issue largely a bread-and-butter one, is of the utmost importance to pharmacists and, would add, of equal concern to the manufacturers. It is certainly a matter on which a broader expression of opinion would be helpful to all interests. We therefore invite readers to send in not more than 200 words on "My Opinion of the 'Winning Trading Policy.'" All opinions published will be paid for at standard rates. Letters should be addressed to the Editor and marked "De-stamped Policy."

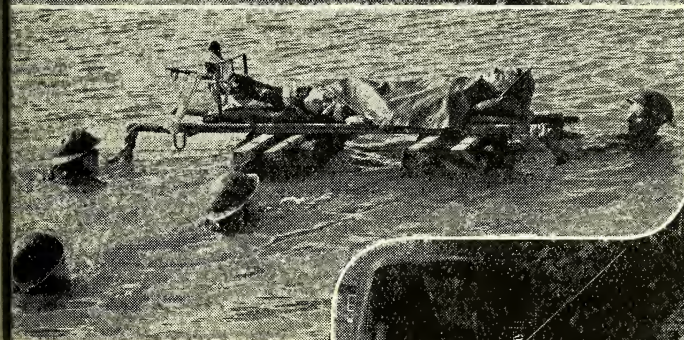
The Modern Horatius

DESPITE their many other duties and long business hours, the number of chemists who play an active part in the civic life of the nation is remarkable. What is more, they have a reputation for thinking for themselves and of the ratepayers. Only last week, according to a report in the daily Press, Councillor Alban Atkin, a pharmacist and member of Hampstead Borough Council, protested in no uncertain manner against his Council appointing a solicitor for the purpose of examining enrolment forms under the Civil Defence Duties Order. According to reports, although out-voted by forty to one, Councillor Atkin thumped his desk and indignantly he cried, "Every one else is asked to manage with smaller staffs and to do a little more himself, but borough councils seem to be especially favoured. They do not have to make such sacrifices." This may be a lone voice crying in the wilderness of waste and extravagance that is rife today in municipal life up and down the country, with its ever-increasing gaggles of controllers, inspectors, deputies and assistants, but we congratulate Councillor Atkin on the stand he took on behalf of his long-suffering fellow ratepayers. By the bye, we—the ordinary citizens—are not "asked" to manage with less and do more—we are given no option.

WASTE PAPER! DID YOU BEAT IT?

See C. & D., November 8, p. 162

FIRST AID IN THE ARMY



Stretcher bearers in forward area evacuating casualty by means of stretchers and under cover of camouflage.

Pent-house lorry in use as advance dressing station where no suitable building is available.

Ferrying a stretcher case across a river obstacle by means of improvised rafts. The men swim across with the stretcher.

Rescue party lowering casualty from window of house of which the stairs have been destroyed.



RETAIL TRADE COMMITTEE REPORT

REPORT ON THE OPENING OF NEW SHOPS AND THE RESTRICTION ON CATEGORIES OF GOODS SOLD IN EXISTING SHOPS

THE interim report of the Retail Trade Committee submitted to the Board of Trade, is as follows:—

Since our appointment in May we have had our attention called to a number of matters which seem to fall within the terms of reference to us and we are endeavouring to collect information both as to facts and as to opinions held by retail traders to enable us to give full consideration to these problems. But already it has become clear to us that there is one matter which most retail traders regard as calling for immediate attention, namely, the necessity for some form of control over the opening of new shops.

Restriction on New Shops

We are of the opinion that there is justification for the representations made and that the opening of new shops at the present time is in most areas unnecessary for providing the essential needs of the public and is undesirable except where necessity is proved. An increase in the number of retail outlets in any area cannot in the present circumstances bring in a corresponding advantage to the public and it must lead to the diversion of goods from established shops, whose supplies are already sorely restricted, and of labour and transport from more essential purposes. Whatever views may be held in time of peace as to the advantages of unrestricted competition, we feel that in the circumstances created by war, with supplies strictly controlled, the multiplication of outlets may seriously disturb the relation between sales and selling costs and tend to make a rise in prices inevitable or, by the incursion of newcomers, to force existing traders out of business.

Stabilising Prices

As the more effective control of prices provided by the Goods and Services (Price Control) Act passed in July 1941 is likely to restrict the opportunities which traders will have of increasing prices to cover losses due to reduced turnovers, it follows that to allow new shops to be established during the war when the distributable volume of supply is shrinking, when it is the declared policy of the Government to stabilise prices, and above all when all available labour is urgently required for essential work, is merely to add to the number of shops which sooner or later will find themselves in such difficulties that they will be forced out of business. This is obviously most undesirable. We feel, therefore, that the diversion of labour, goods and transport which the opening of new shops involves cannot be justified in the national interest at the present time, unless it can be clearly shown that the number of retail outlets is insufficient to provide for the essential needs

of the population. In such cases we agree that an exception should be made, and in our detailed recommendations we have provided for it.

Re-establishment Allowed

The case of the trader who has suffered from enemy action is a particularly delicate one. We feel that he ought to be given every opportunity to re-establish himself but at the same time there is, we consider, implicit in the arrangement by which he is enabled to obtain replacement of the goods destroyed regardless of quota restrictions which apply to the suppliers of other shopkeepers, an obligation to use these goods for the benefit of the community amongst whom the destruction has occurred. Some restriction therefore must, we feel, be placed upon the area within which traders will enjoy this concession should be allowed to re-establish themselves as of right, and we have accordingly made recommendations on this point.

Trading Control

It has also been represented to us that established traders should be prevented from selling categories of goods that they have not previously sold, since it is felt that just as it is unnecessary to provide new shops in wartime, so, too, it is unnecessary to allow existing shops to extend the range of their activities. With this view we agree, and we think it is desirable, both in the public interest and in the interest of traders as a whole, to try to prevent shops from substantially increasing the range of the articles which they sell or from changing over from one category of business to another. It should, however, be possible to exempt shopkeepers wholly or in part from such restriction as we have in mind when, owing to changing circumstances, the needs of a particular area are not adequately met by existing shop facilities. Our detailed recommendations cover this point.

With the object of securing the sort of control we have outlined, we make the following detailed recommendations:—

Recommendations

1. Except under licence no person should be permitted to establish a retail trade or business in premises not hitherto used for the category or categories of trade which it is proposed to be set up. Retail trade or business for the purposes means trade or business in commodities other than food, and includes (a) the business of a barber or hairdresser; and (b) retail sales by auction of goods other than food. We suggest that at the outset the categories of trade or business should be those set out in the appendix to this Report. The word "premises" should include

understood to include domestic premises, stalls and booths.

2. Where any business carried on in any premises is discontinued, it should not be lawful for any person to resume or establish such business at these premises without a licence.

3. The Committee consider that nothing should be done to restrict unduly the sale of existing businesses. Persons taking over existing businesses should therefore not be required to take out a licence unless they wish to establish a new category of business in the premises in question.

Cases of Hardship

4. Since the Committee recognise that great hardship may be caused to traders who have lost the use of their premises through enemy attack, through action taken by the forces of the Crown in the Defence of the Realm, or through requisitioning by a Government Department, they think that such persons should be entitled as of right to a licence provided (a) that the alternative premises which the trader proposes to use are not distant more than one mile from his former premises; (b) that his application for a licence is made within thirty days of the date at which he lost the use of his former premises, and (c) that he proposes to carry on the same category or categories of trade or business as he carried on at the premises of which he has lost the use. All applications from retail traders who have lost the use of their premises through enemy action should receive priority of consideration from the licensing authorities. The conditions laid down above, however, should be waived in respect of shop premises let out to such traders by the local authority of the area affected, with a view to ensuring supplies of essential goods.

Licensing Provisions

5. The Committee are of opinion that the trade at particular premises of goods of a character materially different from those previously sold at these premises, being goods not normally associated with the business carried on at the premises in question, should be prohibited except under licence. They recommend therefore that no trader should be allowed to offer for sale at any premises any categories of goods not to perform any of the services described in the appendix, except under licence, unless at the premises in question there were normally offered for sale such categories of goods or there were performed such services prior to the date at which any Order is made as a result of this recommendation. Where, however, by reason of voluntary closing down of any business at particular premises, the business hitherto carried on at such premises is transferred to premises not more than one mile distant at which trade in a different category or categories of goods is being carried on, a licence should be granted as of right.

6. Any Order made as a result of these recommendations should provide for the punishment of offences and the revocation by the

Board of Trade of licences granted where conditions attached to licences are not observed.

Local Administration

7. It is suggested that the local price regulation committees, with the addition in each case of two members to be appointed by the Board, one with personal knowledge of the retail trades other than food, and the other to be selected from one or other of the two trade unions directly concerned, might act as licensing authorities for their areas. Should this be, in the view of the Board, impracticable or undesirable, the Committee recommend that a local tribunal be set up for each civil defence region, to consist in each case of four members, to be appointed by the Board—two independent members, of whom one will be chairman; one member having personal knowledge of the retail trades other than food; and the fourth member to be selected from one other of the two trade unions directly concerned.

SCHEDULE

PART I

Among the classes of goods affected by the Order are the following:—

- Nursery furniture.
- Women's and girls' handbags.
- Travelling goods, being trunks, suitcases and bags other than women's and girls' handbags.
- Domestic cutlery, spoons and forks.
- China, glass and earthenware, including pottery.
- Imitation jewellery.
- Clocks and watches.
- Toys, games and sports goods.
- Radio goods, gramophones and accessories.
- Electric torches and batteries therefor.
- Electrical goods and appliances other than radio goods, electric torches and batteries therefor.
- Photographic goods and accessories including cameras and projection apparatus.
- Drugs, medicines, medical and surgical appliances.
- Optical goods.
- Toilet goods, toilet preparations and perfumery.
- Books.
- Stationery.
- Pictures and picture frames.
- Tobacco, cigars, cigarettes and smokers' requisites.

PART II

- Hairdressing.
- Beauty treatment.
- Circulating libraries.

WASTE PAPER!

DID YOU BEAT IT?

See C. & D., November 8, p. 162

REVISED EXAMINATION REGULATIONS

MR. P. F. ROWSELL, C.B.E. (chairman of the Society's Education Committee), gave an address on "Revision of the Examination Regulations and Syllabuses" to the Plymouth and Torquay Branches of the Pharmaceutical Society on October 16. The work, he said, was undertaken mainly by a subcommittee consisting of members of the Society's Education Committee, together with the External Registrar of the University of London and nominees of the Ministry of Health. It commenced in 1936 and was completed four years later. Besides revision of the regulations and syllabuses, consequential amendments had been made to the by-laws, and in addition draft decisions had been made upon a number of matters under the revised regulations. The revision had been carried out for the following reasons: (1) Much of the work had been completed in peace-time; (2) in the Council's view the changes were in the best interests of students and pharmacists alike, and there was every reason why the benefits involved should be made effective at once.

Student-Associateship

The amended by-laws provided that "apprentices or students" were deemed to be elected student-associates without payment of fee or subscription. The advantages of this change were that, (1) there were no longer two classes of students, with different privileges; (2) all "apprentices or students" would in future share the following privileges that had previously applied only to subscribing student-associates: (a) To attend the evening meetings of the Society; (b) to receive the "Pharmaceutical Journal" weekly on payment of a preferential annual subscription of 10s. 6d.; (c) to use the museum; (d) to use the library; (e) to enter for the scholarships examinations; (f) to attend meetings and other functions of a local branch of the Society. (No fee would be payable for this privilege for the first seven years that a person was a student-associate. The fee for registration as an "apprentice or student" had been increased from two guineas to four guineas. This permitted the Society to elect all "apprentices or students" as student-associates without fee or subscription. The change would involve the Society in expenditure in respect of privileges to be granted. Payments were also to be made by the Society in respect of each student-associate for a

period of up to seven years after registration. The numbers of persons entering pharmacy is regarded as sufficiently high to justify the change.

Private Study or Classes

Difficulties had arisen over interpretation of the provision (in the former Articles of Pupilage) that the pupil should "devote to private study, or attendance at classes as the case may be, such time as may be determined by the local branch of the Pharmaceutical Society of Great Britain or in default thereof by the Council of the said Society." The wording had now been modified to secure greater uniformity. The Council had not exercised generally its powers to determine the private study to be undertaken or the classes to be attended. Branches of the Society were invited to submit to the Council particulars of any scheme they considered should be adopted in their localities, and the Council would then consider how far the proposals could be incorporated in a ruling by the Council for the localities in question.

Conditions Governing Apprenticeship

The Council had laid down a number of conditions governing practical courses of study during apprenticeship. Power to do this had existed since 1935, but had not been exercised in respect of retail pharmacies. The subcommittee still did not consider the time opportune for these conditions to be applied to retail pharmacies, but had submitted conditions in a form that might readily be applied after the termination of the war. The two conditions of particular interest were: (1) The necessity for retail pharmacies to make a separate application in respect of each individual pupil before his acceptance as an apprentice; (2) the necessity for satisfying the Council that the pharmacy would provide the pupil with sufficient apparatus, materials and books of reference for a satisfactory apprenticeship.

Examination Changes

In order to avoid confusion with "preliminary" examinations accepted for registration as an apprentice or student, the Preliminary Scientific examination had been re-named the Intermediate examination. Provision had been made in the regulations so that at such time as the Council might determine the Intermediate

examination shall be passed before apprenticeship. The Council did not feel that the time was yet opportune to make the change, but the following considerations were advanced in the hope that more persons might be encouraged to follow that course:

(1) By studying for the Intermediate examination before apprenticeship the pupil would not have any break in his studies between school and college, and should experience less difficulty in passing the examination than at present. Candidates' performances at the Intermediate examination are often compared unfavourably with those of candidates for pre-medical examinations, where the candidates proceed with their studies direct from school. (2) Entrants to pharmacy would be required to meet approximately one half of the expenditure involved at the commencement of their career. This would prevent persons entering pharmacy without fully realising the financial commitments involved. (3) The knowledge of chemistry, physics and biology the apprentice would gain before apprenticeship would place him in a better position to appreciate his pharmaceutical training. (4) The entrant to pharmacy would have an opportunity of ascertaining at the commencement of his career whether he was suited to it. Provision had been made to permit candidates to enter for the Chemist and Druggist Qualifying examination at any age, with the proviso that no certificate entitling a candidate to be registered as a chemist and druggist under the Pharmacy Act, 1868, should be issued until the candidate had produced a Registrar's certificate of birth showing that the candidate had attained the full age of twenty-one years.

The Syllabuses

Many changes have been made in the revised syllabuses. There have been additions, deletions, and transfers from one subject to another, but before any change had been made careful consideration was given to views previously expressed by examiners and teachers in schools of pharmacy. The revised syllabuses did not constitute so heavy a load as the previous ones, and he trusted this would have the effect of improving the present unsatisfactory proportion of passes. Most of the syllabus changes were of a technical character, but in the Forensic Pharmacy syllabus the Cancer Act had been added and the following Acts deleted: Apothecaries Act; Weights and Measures Acts; Registration of Business Names Act; Acts relating to

the use of stills. Despite the deletions, the Forensic Pharmacy syllabus remained substantial, the revised syllabus comprising the Pharmacy and Poisons Acts, 1852 to 1933; Dangerous Drugs Acts, 1920 to 1932; Acts relating to National Health Insurance; Shops Acts; Protection of Animals Act; Food and Drugs Act; Venereal Disease Act; Cancer Act; Therapeutic Substances Act; Acts relating to the sale of spirits (including methylated spirits) and medicated wines and the sale of abortifacients.

A general provision had been inserted that the examiners were not precluded from asking oral questions during the practical sessions. This provision had not as its object the restoration of oral examinations, but was intended to permit examiners to ask questions of candidates during the practical sessions upon any difficulties that might arise in the course of the work done. Certain examiners had felt, in the absence of this provision, that they had no power to ask any questions.

SYRUP OF ROSE HIPS

SYRUP of rose hips is prepared from ripe red rose hips and contains not less than 200 or more than 250 mgm. of ascorbic acid per 100 mils, and contains added sugar sufficient to produce a specific gravity in the finished syrup of 1.325. It may vary in colour depending on the kind of hips used and the method of manufacture, but should be filtered and free from hairs. The limit of sulphur dioxide is 350 parts per million. Citric acid may be added, if necessary, to bring the acidity to a minimum of 1.1 percent.

This is a provisional specification adopted for the experimental manufacture which has been undertaken this year by a small number of firms. The syrup which it is hoped will be available on the market shortly and which will be sold by chemists will be labelled: "Rose Hip Syrup (syr. rosæ fructus). This syrup contains approximately 200 mgm. ascorbic acid (vitamin C) in each 100 mils. This product conforms to the standard approved by the Ministry of Health. This syrup contains five times the ascorbic acid content of fresh orange juice. Dosage for a child: 1-2 teaspoonfuls a day."

The collecting campaign for this year is now over. Arrangements made with the small group of manufacturers involved necessitated special allocations of sugar by the Ministry of Food, and it is now too late to include other firms, even if they could obtain rose hips.

FURTHER ECONOMIES IN DRUGS

THE Medical Research Council have compiled a supplement to their War Memorandum No. 3, "Economy in the Use of Drugs in War-Time," published earlier this year. The classification followed is the same as that adopted in the Memorandum, i.e. (A) drugs which are at present either (1) regarded as essential or (2) readily available; (B) drugs which are essential for certain purposes but not for others, and in using which strict economy should be observed; (C) drugs which are not essential and do not justify importation or manufacture for home use in war-time. An asterisk before the name of any drug indicates that the classification has been changed from that in Memorandum No. 3.

Class A

The information on substitutes or equivalents and the remarks are given in parentheses: Amethocaine; diphenan; hexazole; menaphthone (synthetic vitamin K, 2-methyl-1:4 naphthaquinone); mesulphen; ol. cocois; orthocaine; phenytoinum solubile (sodium diphenylhydantoinate); pholedrine; pirevan; piparv; pyrethrum; safol; the following serums and vaccines for veterinary use: serum anti-anthraxum; serum coli, polyvalent; serum dog distemper; serum erysipolothrix rhusiopathiæ (swine erysipelas serum); serum leptospira icterohæmorrhagiæ (leptospiroid jaundice serum); serum pasteurilla bovis (septicæmia hæmorrhagica serum); serum swine fever; serum welchii, type B (lamb dysentery serum); serum welchii, type C (cl. enterotoxæmia serum—sheep-strike serum); serum welchii, type D (sheep pulpy-kidney serum); serum welchii, trivalent (types B, C, and D); toxinum staphylococcum detoxicatum; toxinum tetanicum detoxicatum; vaccinum antianthraxum; vaccinum brucella abortus (live culture for cattle); vaccinum cl. chauvoci (formalised whole culture—blackleg vaccine); vaccinum cl. septique (braxy vaccine); vaccinum chauvoci and septique bivalent; vaccinum dog distemper, vaccinum erysipelothrix rhusiopathiæ (swine erysipelas vaccine); vaccinum fowl pox; vaccinum louping ill (sheep); vaccinum pasteurilla (septicæmia hæmorrhagica vaccine); vaccinum salmonella gallinarum (fowl typhoid vaccine); vaccinum welchii, type B (lamb dysentery vaccine); vaccinum welchii, type C; vaccinum welchii, type D (cl. enterotoxæmia vaccine—sheep-strike vac-

cine; vaccinum welchii, trivalent (types B, C and D), johnin diagnosticum; mallein diagnosticum; tuberculinum diagnosticum, avian; tuberculinum diagnosticum, bovine.

Class B

The following products fall under classification B: *Acid. acetylsalicyl. (strict economy is essential; phenol is the raw material); *acid. phosph.; *acid. salicyl. (strict economy is essential; phenol is the raw material); *coccus; gonadotrophic hormone from pregnant mare's serum; gonadotrophic hormone from pregnancy urine; *hamamelis; *lobelia; *phenol (required for the manufacture of munitions; strict economy is essential; substitutes: Chlorocresol, chloroxylenol); progesterone; *sod. phosph.; *sod. phosph. acid.; *sod. salicyl. (strict economy is essential; phenol is the raw material); sulphacetamide (this drug is in short supply); sulphadiazene (supplies are strictly limited); sulphaguanidine (supplies are strictly limited and should be reserved for the treatment of intestinal infections); *sulphathiazole (supplies are strictly limited and should be reserved chiefly for the treatment of staphylococcal infection).

Class C

The following drugs fall under classification C: Acid. hypophosph. and salts; celery seed; cumin; euphorbia; ext. hepat. liq. and ext. hepat. sicc. (liver extracts are now controlled under the Liver Extract (Regulation of Use) Order, 1941; galangal; grindelia; kola nuts; leptandra, black root; mandrake (mandragora autumnalis); pennyroyal; prunus serotina; quince seed; raspberry leaves; sarsaparilla; saffrafras; serpentary; skullcap; slippery elm bark.

The following notes on economy in prescribing are included in the supplement: LIQUID PARAFFIN.—There is a serious shortage, which is not likely to be relieved under present conditions. GLYCERIN.—The use in medicine is now limited to the manufacture of preparations of the B.P. and B.P.C., and to the dispensing of prescriptions issued by medical practitioners. SULPHONAMIDES.—Sulphanilamide is the most economical drug for general use. Sulphadiazene, sulphaguanidine sulphapyridine and sulphathiazole should be prescribed only in special cases.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, November 12

CONDITIONS on the London markets continue much the same as last week. Business is on a fairly good scale, and the general tone is steady. A satisfactory feature is the evidence from several quarters of more regular arrivals of many commodities, a factor that does much to ease the supply position of a number of important products. Business in PHARMACEUTICAL CHEMICALS is moving in average volume, and prices are mostly unchanged. British makers are now offering ALLOBARBITONE. Supplies of AMIDOPYRINE are limited, but the price remains steady. There is no change in the supply position of BENZOIC ACID. An adjustment has been made in makers' prices of CITRATES. GUAIACOLS are in fair demand at unchanged prices. Makers of METHYL ALICYLATE ask for prompt return of containers. Supplies of SULPHONAL are severely restricted and high prices prevail. Supplies of TANNIC ACID appear to be depleted, and dealers' quotations are higher.

Crude Drugs

The home consuming trades have again been responsible for most of the business transacted in these markets. Inquiry has been fairly steady, but the usual slackening of activity towards the end of the year is becoming noticeable. A good demand continues for unrestricted Koba AGAR, and all higher prices are mentioned for spot business. Home producers of ANTIMONY are finding a steady sale at unchanged prices. The arrival of some BENZOIN, now reported afloat, should ease the apparent shortage. Dealers' quotations for CALUMBA root are a shade higher. Quotations for English refined CAMPHOR have been advanced. Zanzibar CLOVES is now quoted at a nominal figure. Supplies of DERRIS root are becoming rather more difficult to find. Portuguese DIGITALIS LEAVES is slightly dearer. Rather firmer conditions obtain on spot for ERGOT. There are no offers of GAMBOGE from source. Trade demand continues good for Chinese MENTHOL. Maximum retail prices for PEPPER came into force on November 1. As noted last week, no quotations will be available for RUBBER until further notice. SHELLAC is quoted dearer for shipment.

Essential Oils

Few price changes have occurred during the week, and most of the orders have been for small spot quantities. Supplies of ANISE (STAR) are extremely difficult to find, and high prices are asked. CINNAMON LEAF is rather firmer on spot. Both varieties of CITRONELLA tend dearer. There is no further change in the price of English-distilled CLOVE. LEMONGRASS is firm, with the forward market tight. West Indian LIME is in a strong position, with spot values at a high level. Chinese PEPPERMINT has been in good demand, but spot supplies are becoming difficult to find. Genuine East Indian Mysore SANDALWOOD is dearer.

Exchange Rates on London

Foreign exchange rates have remained steady throughout the week. The following Bank of England fixed rates were ruling at the opening on November 12: New York, 4.03 dollars; Montreal, 4.45 dollars; Lisbon, 100 escudos; Java, 7.60 florins; Buenos Aires, 17.02 paper pesos; Zurich, 17.35 francs; Stockholm, 16.90 kroner. Among the free market rates Shanghai remained at 3.5 d., and Madrid at 40.50 pesetas (official) and 46.55 pesetas (voluntary).

Pharmaceutical Chemicals

ALLOBARBITONE.—British makers quote at about 55s. per lb.

AMIDOPYRINE.—Limited supplies are available from dealers at about 35s. upwards per lb.

ASPIRIN.—Demand is of a routine character, with prices at the levels recorded last week. British makers' prices for TABLETS are unchanged.

ATROPINE.—Makers' prices per oz. are unchanged. ALKALOID, 21s.; 4 oz., 20s. 6d., and 25 oz., 20s. SULPHATE: 16s. 6d.; 4 oz., 16s. and 25 oz., 15s. 6d. For prices of bottles, see C. & D., November 1, p. 156.

BARBITONE.—In short supply, with dealers' prices in the neighbourhood of 35s. to 40s. per lb.

BENZALDEHYDE.—Position unchanged. Quotations for p.f.c. are in the region of 4s. 6d. to 5s. per lb.

BENZOIC ACID.—Supply remains restricted, with prices nominal at 2s. 6d. to 2s. 9d. per lb., according to quantity. SODIUM BENZOATE.—Nominal at around 2s. 3d. to 2s. 6d. per lb.

BENZYL BENZOATE.—Demand has again been good, but supplies are reserved for medical purposes. Price remains at about 4s. 6d. to 5s. 6d. per lb.

BISMUTH SALTS.—Makers' prices per lb. for the two leading salts are: CARBONATE.—Not less than 1 cwt., 8s. 4d.; 28 lb. and under 1 cwt., 8s. 7d.; 8 lb. and under 28 lb., 10s.; 4 lb. and under 8 lb., 10s. 9d.; under 4 lb., 11s. 3d. SUBNITRATE.—Not less than 1 cwt., 7s. 3d.; 28 lb. and under 1 cwt., 7s. 6d.; 8 lb. and under 28 lb., 8s. 8d.; 4 lb. and under 8 lb., 9s. 5d.; under 4 lb., 9s. 11d.

BORAX.—Minimum one-ton lots are quoted by makers as follows: Powder, £35 10s. per ton; crystals, £35; granulated, £34, in one-cwt. bags, carriage paid in Great Britain. Commercial grades, £8 per ton less.

BORIC ACID.—Makers' prices for minimum one-ton lots are as follows: Powder, £52 10s. per ton; crystals, £51 10s.; granulated, £50 10s., in one-cwt. bags, carriage paid in Great Britain.

BROMIDES.—Makers' prices for POTASSIUM are steady at the following figures:—

Quantity	In parcels of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
From 1 lb. . .	3 11	—	—	—	—
From 4 lb. . .	3 10	3 8½	—	—	—
From 7 lb. . .	3 9	3 7½	3 6½	—	—
From 14 lb. . .	3 8	3 6½	3 5½	3 5½	—
From 28 lb. . .	3 7	3 5½	3 4½	3 4½	3 4
1 cwt. . .	3 0½	2 10½	2 10½	2 10	2 9½
5 cwt. . .	2 11½	2 9½	2 9½	2 9	2 8½

SODIUM, 1d. per lb. extra; AMMONIUM, 3d. per lb. extra; packing extra but returnable. Net. Carriage paid in United Kingdom on minimum one-cwt. lots. Contracts over six months: each delivery against contract to be charged at schedule rates current on day of dispatch. War-emergency clause and usual re-sale terms apply.

CITRATES.—Makers' prices for POTASSIUM, B.P., have been adjusted, with prices of SODIUM, B.P., at one penny lb. below, and IRON and AMMONIUM (SCALES), B.P., at threepence per lb. above. Table gives POTASSIUM prices:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb. . .	3 3	—	—	—	—
From 4 lb. . .	3 2	3 0½	—	—	—
From 7 lb. . .	3 1	2 11½	2 10½	—	—
From 14 lb. . .	3 0	2 10½	2 9½	2 9½	—
28 lb. to 1 cwt. . .	2 11	2 9½	2 8½	2 8½	2 8

Prices net. All packages charged extra. It is a condition of sale that buyers shall not re-sell at prices below the values given.

COCAINE.—The following are British makers' prices for wholesale bulk quantities: HYDROCHLORIDE and NITRATE, 25 oz. and over, 35s. 8d.; 16 oz. and less than 25 oz., 36s. 10d.; over 8 oz. and less than 16 oz., 38s. per oz. ALKALOID, CITRATE, and SALICYLATE, 25 oz. and over, 39s. 1d.; 16 oz. and less than 25 oz., 40s. 4d.; over 8 oz. and less than 16 oz., 41s. 7d. per oz., 16-oz. packages free, smaller packing extra. The

scale of prices applicable to distributors of smaller quantities is as follows: HYDROCHLORIDE and NITRATE, 8 oz., 40s.; 4 oz. and less than 7 oz., 40s. 7d.; 2 oz. and less than 4 oz., 41s. 6d.; 1 oz. and less than 2 oz., 42s. 7d.; ½ oz. and less than 1 oz., 44s. 2d.; ¼ oz. and less than ½ oz., 47s. 3d. per oz. ALKALOID, CITRATE and SALICYLATE, 8 oz., 43s. 5d.; 4 oz. and less than 8 oz., 44s.; 2 oz. and less than 4 oz., 44s. 11d.; 1 oz. and less than 2 oz., 46s. 2d.; ½ oz. and less than 1 oz., 47s. 9d.; ¼ oz. and less than ½ oz., 50s. 10d. per oz., packages extra. Re-sale: Sales are subject to buyer's undertaking not to re-sell any quantity below scale current at time of re-sale. Export prices vary according to destination.

CODEINE.—The price per oz. of ALKALOID is as follows: ½ oz., 43s. 3d.; 1 oz., 40s. 9d.; 2 oz., 39s. 3d.; 3 oz., 38s. 6d.; 4 oz., 38s. 3d. PHOSPHATE: ½ oz., 36s. 3d.; 1 oz., 33s. 9d.; 2 oz., 32s. 3d.; 3 oz., 31s. 6d.; 4 oz., 31s. 3d. per oz.

ETHERS (METHYLATED).—The following are makers' prices:—

Specific gravity and grade	Winchester quarts, per lb.	Not less than		Drums and carboys, per lb.
		6 w. qts., per lb.	12 w. qts., per lb.	
	s. d.	s. d.	s. d.	s. d.
0.750	1 5½	1 4½	1 4½	1 3½
0.735	1 5½	1 5½	1 4½	1 3½
0.730	1 5½	1 5½	1 4½	1 3½
0.725	1 7½	1 7½	1 6½	1 5½
0.725 triply rectified	2 0½	1 11½	1 11½	1 10½
0.720	1 8½	1 8½	1 7½	1 6½
0.717	2 2½	2 2½	2 1½	2 0½
0.720 B.P., not for anaesthesia	1 10	1 9½	1 9	1 8

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause. Prices for anaesthetic ethers unchanged.

GLYCERIN.—For small quantities the prices would be as follows: 1-cwt. drum, 81s. per cwt.; 56-lb. tin, 89s.; 28-lb. tin, 92s.; 14-lb. tin, 95s. per cwt. All prices subject to discount of 2½ per cent. for cash in twenty-eight days.

GUAIACOLS.—Makers' prices for CARBONATE and CRYSTALS are unchanged at from 12s. 6d. to 13s. per lb.

HEXAMINE.—Dealers' quotations for free-running crystals are steady at about 2s. 3d. per lb., with lower prices for other grades.

MERCURIALS.—Controlled prices for quantities up to two cwt. were given in the C. & D., November 8, p. 186.

MERCURY IODIDES.—Makers' prices per lb. are unchanged: RED, less than 7 lb., 17s.; not less than 7 lb., 16s. 8d.; not less than 14 lb., 16s. 2d. GREEN, less than 7 lb., 19s.; not less than 7 lb., 18s. 8d.; not less than 14 lb., 18s. 2d. YELLOW, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 4d.; not less than 14 lb., 19s. 10d. per lb. net, carriage paid.

METHYL SALICYLATE.—Makers' prices are unchanged, as follows: Five cwt., 1s. 8½d. per lb.; one cwt., 1s. 9d.; smaller quantities, in bottles, 1s. 11d. per lb. Containers should be returned promptly to makers.

MORPHINE.—The following are makers' prices: ALKALOID, TARTRATE and MECONATE: ½ oz., 3s. 3d.; 1 oz., 40s. 9d.; 2 oz., 39s. 3d.; 3 oz., 8s. 6d.; 4 oz., 38s. 3d. per oz. ACETATE, HYDROCHLORIDE and SULPHATE: ½ oz., 36s. 3d.; 1 oz., 33s. 9d.; 2 oz., 32s. 3d.; 3 oz., 31s. 6d.; 4 oz., 31s. 3d. DIACETYLMORPHINE, PURE: 1 oz., 52s.; 1 oz., 49s. 6d.; 2 oz., 48s.; 3 oz., 7s. 3d.; 4 oz., 47s. DIACETYLMORPHINE HYDROCHLORIDE: ½ oz., 43s. 3d.; 1 oz., 40s. 9d.; 2 oz., 39s. 3d.; 3 oz., 38s. 6d.; 4 oz., 38s. 3d. ETHYLMORPHINE, PURE: ½ oz., 48s. 3d.; 1 oz., 5s. 9d.; 2 oz., 44s. 3d.; 3 oz., 43s. 6d.; 4 oz., 3s. 3d. ETHYLMORPHINE HYDROCHLORIDE: 1 oz., 39s. 3d.; 1 oz., 37s. 3d.; 2 oz., 35s. 9d.; 3 oz., 35s.; 4 oz., 34s. 9d.

NICOTINIC ACID.—Makers' price for fair quantities would be between 102s. 6d. and 105s. per lb.; smaller lots would be dearer.

POTASSIUM PERMANGANATE.—Makers' prices steady, as follows:—

B.P.	Per lb.	Technical	Per cwt.
From 1 cwt.	s. d. 1 8½	One-cwt. drums: From 1 cwt.	s. d. 154 6
" 3 cwt.	1 8	" 3 cwt.	150 0
		" 5 cwt.	147 6
		" 1 ton	145 0
		" 4 tons	142 6
		Five-cwt. drums: From 5 cwt.	145 0
		" 1 ton	142 6
		" 4 tons	140 3

et, delivered nearest railway station in Great Britain, sums extra and returnable. No guarantee of delivery either quality is given, and orders are only booked for voicing at price ruling at date of dispatch.

QUININE.—The sterling price for sulphate, based on American dollars, remains at £14 7s. 5d. per 100 oz., f.o.b. Java.

SACCHARIN.—Convention price for 550 is unchanged at 98s. 4d. per lb. Prices are not subject to official control.

SALICYLIC ACID (B.P.).—Makers' scales of prices are as follows:—

In containers of	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb. . .	s. d. 2 7½	s. d. —	s. d. —	s. d. —	s. d. —
From 4 lb. . .	2 6½	2 4½	—	—	—
From 7 lb. . .	2 5½	2 3½	2 3½	—	—
From 14 lb. .	2 4½	2 2½	2 2½	2 2	—
From 28 lb. .	2 3½	2 1½	2 1½	2 1	2 0½
1 ton . . .	1 11½	1 9½	1 9½	1 9*	1 8½

* 8 × 14 lb. and upwards, in one delivery, ½d. lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Can be assorted with sodium salicylate. Prices are quoted subject to buyer's undertaking not to re-sell any quantities at prices or terms below scale current at time of re-sale.

SALOL.—Dealers quote at about 8s. upwards per lb., according to quantity, but supplies are not plentiful.

SANTONIN.—Makers' home trade prices are as follows: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the United Kingdom; 1-kilo packages free.

SODIUM SALICYLATE.—Makers' scale of prices is as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb. .	s. d. 3 0	s. d. —	s. d. —	s. d. —	s. d. —
From 4 lb. .	2 11	2 9½	—	—	—
From 7 lb. .	2 10	2 8½	—	—	—
From 14 lb. .	2 9	2 7½	2 7½	2 6½	—
From 28 lb. .	2 8	2 6½	2 5½	2 5½	2 5½
From 1 cwt. .	2 3	2 1½	2 0½	2 0½*	2 0
From 5 cwt. .	2 2½	2 0½	2 0½	2 0*	1 11
1 ton . . .	2 2	2 0½	1 11½	1 11½*	1 11

* 8 × 14 lb. and upwards, in one delivery, ½d. lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Can be assorted with salicylic acid. Prices are quoted subject to buyer's undertaking not to re-sell any quantities at prices or terms below scale current at time of re-sale.

STRYCHNINE SALTS.—Makers' prices as quoted last week, are steady.

SULPHANILAMIDE.—Demand has again been fair, and prices are steady at about 11s. to 11s. 6d. per lb., according to quantity.

SULPHONAL.—Supplies are restricted, with values at about 40s. to 45s. per lb.; according to quantity.

TANNIC ACID.—Supplies are becoming limited, and dealers are now quoting about 6s. per lb.

VANILLIN.—Makers' prices are unchanged: Ex clove oil or guaiacol, five cwt., 20s. per lb.; one cwt., 20s. 3d.; 56 lb., 20s. 6d.; less than 56 lb., 20s. 9d., carriage paid in U.K. Tins in cases returnable.

Crude Drugs

ACONITE ROOT.—Indian root, in small supply on spot, is offered by dealers at about 1s. 7d. to 1s. 8d. per lb., ex store.

AGAR.—Demand for unrestricted Kobe No. 1 continues, some business having been done on spot at 45s. per lb., and about 47s. 6d. now being mentioned as the price. There are also buyers of Kobe No. 1 for medicinal use, and tentative prices are 35s. to 37s. 6d. per lb. On the other hand, the chief holder of Kobe No. 1 for bacteriological use is still selling at 16s. to 17s. per lb., according to quantity.

ALOE.—The fair demand for Cape noted last week continues, with spot prices in the region of 55s. per cwt. There are no offers of Curaçao.

ANTIMONY.—Prices remain at the levels recorded last week, with a steady business passing. English regulus, £120 per ton, delivered,

for minimum 99 per cent.; Canadian high grade, unquoted.

ARECA NUT.—Demand is of a small routine character, and stocks appear to be adequate to meet requirements. Dealers' prices are steady at about 5½d. per lb., ex store.

BALSAMS.—There is no change in the price of *Tolu*, which remains at about 8s. 6d. to 8s. 9d. per lb., with spot supplies rather restricted. *Canada*, steady at around 7s. 9d. per lb. *Copaiba*, B.P., in rather poor supply, remains at around 5s. 9d. to 6s. per lb. *Peru* is steady at about 7s. 9d. per lb., duty paid, ex store U.K.

BELLADONNA.—Some small supplies of Indian root are reported available on spot at about 3s. 10d. to 4s. per lb.

BENZOIN.—Demand has again been fair, and spot prices are steady at from £7 10s. to £8 10s. per cwt., ex store. The arrival of some parcels now reported afloat should ease the apparent shortage.

BISMUTH METAL.—Business has been fair, with the current value steady at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Any supplies of good green rounds on spot would be worth about 4s. 3d. per lb., and ovals about 3s. 9d. per lb.

CALUMBA ROOT.—Although demand is small, spot quotations at 130s. to 135s. per cwt. are a shade higher than those given last week.

CAMPHOR.—Many inquiries are being received for Japanese, but no spot stocks appear to be available to meet consumers' requirements. Some Chinese crude is offered on spot at 6s., and some synthetic, 94 per cent., at 7s. per lb. Fair lots of Chinese crude and refined are reported afloat; while it is difficult to arrive at costs for these at present, the price for B.P. will probably be in the region of 7s. 6d. to 8s. per lb. English refined has been advanced as follows: Flowers: One cwt., 7s. 6d.; 28 lb., 8s.; less than 28 lb., 8s. 6d. per lb. Transparent tablets, ¼-oz.: One cwt., 8s.; 28 lb., 8s. 6d.; less than 28 lb., 9s. per lb.

CANTHARIDES.—Small supplies of Chinese are available on spot at approximately 7s. 6d. per lb. There are no supplies of Russian.

CARDAMOMS.—Remains quiet, with no price changes. Spot, Aleppy greens, 5s. 3d. per lb.; Bombay seed, 5s. 6d.; Mangalore seed, 5s. 3d.; shipment, Aleppy greens, 4s. per lb., c.i.f.; Bombay seed, 4s. 10d., c.i.f.; Mangalore bleached A, 5s. 3d., c.i.f.; Mangalore bleached B, 4s. 9d. per lb., c.i.f.

CASCARILLA.—Dealers' spot prices for quill are in the region of 3s. 6d. per lb., and for siftings about 4d. per lb. less.

CHILLIES.—While demand has continued fair, supplies are restricted; values are unchanged on the week. Zanzibar, spot, 175s. per cwt.; Mombasa, 175s., sellers; Sierra Leone, 175s.; and Sudan, 175s.

CLOVES.—Firm, with Zanzibar quoted on spot at the nominal price of 2s. 4½d. per lb.; Madagascar, in bond, unquoted,

COCOA BUTTER.—Supplies on offer are insufficient to meet current requirements, and the small quantities available for distribution are consequently being rationed. The official maximum price remains at 1s. 5½d. per lb., ex factory or warehouse, except under Ministry of Food licence.

COCONUT (DESICCATED).—Demand has been fair, but business continues on a small scale. The official maximum price remains fixed by the Ministry of Food at 49s. per cwt.

COLCHICUM.—In small routine demand at steady prices. Indian is quoted on spot at in the region of 3s. per lb., ex store.

COLOCYNTH.—Spot business has been quiet, with holders of fine white pulp still asking about 3s. 6d. to 4s. per lb.

DANDELION ROOT.—Dealers quote Indian on spot at about 155s. per cwt., ex store.

DERRIS ROOT.—Supplies are becoming more difficult to find, but current values are unchanged. Spot, root testing 4–5 per cent. rotenone, about 1s. 4d. per lb.; lower-testing material, about 1s. 1d. to 1s. 3d. per lb.; ether-extract, 15–9 per cent.; tested, about 1s. 1d. per lb.; and 17–9 per cent., about 1s. 2d. per lb.

DIGITALIS LEAVES.—Dealers' spot prices for small supplies of Portuguese leaves are a shade higher at about 130s. per cwt., ex store.

DRAGONS BLOOD.—Fair re-boiled continues to be quoted on spot at approximately £30 per cwt., with higher prices for the finer grades.

ERGOT.—Shipment prices appear to be rather erratic, varying between about 6s. 9d. and 7s. 6d. per lb., c.i.f.; spot, rather firmer at about 7s. 9d. to 8s. per lb.

GAMBOGE.—Supplies are extremely difficult to locate, and values are nominal. There are no offers from source.

GINGER.—Values are about unchanged on the week, with no improvement in the supply position. West African, spot, about 175s. per cwt., sellers; afloat, 160s. per cwt., c.i.f. Cochin unwashed, spot, 180s.; new-crop, 75s., c.i.f. Jamaica, spot, No. 3, 200s.

GRAINS OF PARADISE.—Dealers are offering small spot supplies at approximately 1s. 10d. per lb., ex store.

GUM ACACIA.—There is little change in the spot position, and unrestricted Kordofan cleaned sorts are at about 230s. per cwt.; shipment, nominal at approximately 70s. per cwt., c.i.f.

HONEY.—First-hand, wholesale and retail prices for imported honey and maximum retail prices for home-produced honey are fixed by Ministry of Food Order. For full scale of prices, see *C. & D.*, August 30, p. 119.

HYDRASTIS.—Untested root is quoted by dealers at about 21s. per lb., but tested is not available.

IPECACUANHA.—Fair inquiries have been received. Matto Grosso, spot, about 18s. per lb.; shipment, January–February, in the neighbourhood of 15s. 3d. per lb., c.i.f. Minas, spot, about 12s. 3d. per lb.; shipment, about

s. 9d. per lb., c.i.f. There are no changes in the prices quoted last week for EXT. IPECAC. LIQ.

JABORANDI.—Spot prices for the small quantities now changing hands are in the region of s. to 87s. 6d. per cwt., ex store.

MENTHOL.—Trade demand continues good for the Chinese product, and a fair business is reported done at 55s. per lb., with holders now asking 55s. to 57s. 6d. per lb. Prices from China this week are at 47s. to 48s. per lb., c.i.f., according to seller.

MERCURY.—Official prices range between £48 and £48 15s. per bottle of 76 lb., ex warehouse London. Quantities of 7 lb. and under are free from price control.

NUX VOMICA.—A parcel of Cochin, washed and garbled, just arrived, is offered at 35s. per lb. on spot.

ORANGE PEEL.—Some Spanish bitter quarters offered on spot at about 3s. 9d. per lb., and the Spanish sweet ribbon at around 3s. 3d. per lb. Thin-cut would be worth approximately 6d. to 4s. per lb.

PEPPERS.—The following are maximum spot prices: Whole black Lampung, unpicked, 5d. per lb., in bond; whole white Muntok unpicked, 4s. per lb., in bond. Maximum prices are also specified for pepper in authorised containers (see *E. & D.*, September 6, p. 129). Maximum retail prices came into operation on November 1.

PIMENTO.—Quiet conditions obtain in this market, with the spot price steady at the former rate of 2s. 1d. per lb., sellers; there is no variation in the forward price of new-crop for November–December shipment, at 145s. per lb., c.i.f.

PYRETHRUM.—Dealers quote Kenya flowers on spot at 175s. to 185s. per cwt., ex store. Prices to importers of large quantities are understood to be at appropriately lower rates.

QUASSIA CHIPS.—Present demand appears to need available supplies, and there is little prospect of replacements for some time ahead. Dealers' prices for any small lots that may remain are unchanged at about 50s. per cwt., ex store.

GUILLAIA BARK.—Crushed, on spot, is worth about 140s. per cwt., but supplies are restricted.

RUBARB.—Good demand is noted, especially for the better qualities, of which spot supplies, however, appear to be considerably diminished. High-round would now be worth about 6s. 6d. per lb. on spot, with wormy to slightly wormy at about 5s. 6d. to 6s. per lb. One or two casks now afloat are due to arrive shortly, and it is hoped that they will prove of good sound quality; the price will be in the region of 6s. per lb. Shensi, spot, about 8s. 6d. per lb.

RUBBER.—Unquoted until further notice. World exports of rubber during September are estimated to have amounted to 148,307 tons, against 131,731 tons in August. World consumption for the corresponding months amounted to 98,155 tons and 95,865 tons.

SARSAPARILLA.—Fair red Jamaican is quoted by dealers on spot at approximately 2s. 6d. to 2d. per lb.

SEEDS.—ANISE.—Turkish, spot, 150s., duty paid, ex store Liverpool. CANARY.—Nothing available on spot. CARAWAY.—Dutch, spot, nominal at 350s. CORIANDER.—Morocco, spot, nominal at 175s., duty paid; Indian, 155s., duty free. CUMIN.—Malta, spot, 150s., duty free; Indian, 150s., quoted duty free. DILL.—Indian, spot, nominal at 90s., duty free. FENNEL.—Indian, spot, quoted at 87s. 6d., duty free, ex store Liverpool. FENUGREEK.—Morocco, spot, nominal at 70s., duty paid; Indian, 65s., duty free. MUSTARD.—English, 105s. to 117s. 6d., according to quality.

SENEGA.—Fair demand continues, but stocks are becoming low and apparently no further import licences are being granted. Some spot business is reported done at 6s. 3d. per lb., with holders now asking up to 7s.

SENNA.—Hand-picked Alexandrian pods would be worth between 4s. 6d. and 5s. per lb. on spot. Hand-picked Tinnevely pods are valued at from 1s. 1d. up to 1s. 5d. per lb., for selected; f.a.q. would be worth about 7½d. per lb.

The report on the senna crop of the Madras Province for 1940–41 ("Indian Trade Journal") records moderate activity in the senna market during the twelve months covered. Exports have been effected to both the United Kingdom and the United States (the main outlets for the senna crop). Scarcity of freight is acute, however, and depresses the local market. A few shipments have gone to Indian coastal ports, to Hong Kong and to the Far East. Arrivals have been on the increase and consisted of about two-thirds Satur and one-third Tinnevely, but were smaller than in previous seasons. Owing to lack of fresh demand, cultivators were discouraged from bringing their produce to market. Arrivals have been bought by shippers against previous sales, and prices have been maintained at about Rs. 50 to Rs. 60 for good average Tinnevely, and about Rs. 25 to Rs. 30 for good average Satur per candy of 500 lb. There is no incentive, however, to lay in stocks at present. The acreage for Satur is about the same as last year, but for Tinnevely it is considerably less, particularly in wet lands, other crops having taken the place of senna. The quality, on the whole, is satisfactory with regard to colour but slightly deficient in respect of size.

SHELLAC.—There has again been small activity on the London market, and prices show very little movement. Current rates are as follows: Shipment price of standard TN orange is dearer at 158s. 6d. per cwt., c.i.f., sellers. Spot, standard TN orange, 165s. per cwt., sellers; fine orange, 175s. to 210s. quoted; pure button, 215s. per cwt., nominal.

SLIPPERY ELM BARK.—Supplies are now in small compass, but values are unchanged. Grinding quality, spot, about 1s. 3d. per lb.; wired bundles, between 2s. 6d. and 2s. 9d. per lb.

SQUILL.—Indian bulbs are quoted on spot at about 95s. per cwt., ex store. Portuguese, spot, about 90s. per cwt.

STORAX.—Small supplies are stated to be available on spot at about 8s. 9d. per lb.

STRAMONIUM LEAVES.—Business is on a small scale, but steady. Dealers' spot quotations range between 105s. and 110s. per cwt. for Indian leaves. It is reported that goods afloat can be brought at around 80s. to 85s. per cwt., c.i.f.

TONKA BEANS.—Fair frosted Para beans are quoted by dealers at about 4s. 6d. per lb. on spot.

TRAGACANTH.—Quiet, with spot prices of medium grades steady as follows: No. 1, white, £138; No. 2, white, £115; No. 3, white, £100; pale leaf, £90; amber leaf, £65; red leaf, from £28; woody and hoggy, from £10 to £15, ex store.

TURMERIC.—Madras finger, spot, quoted at 82s. 6d. to 85s., ex wharf London, and 80s., ex Liverpool or Glasgow.

VALERIAN ROOT.—Spot prices are steady and unchanged, and demand is small. Spot, Indian, approximately 135s. per cwt., ex store.

WAXES.—Quiet and unchanged. **BEEES.**—Spot, 265s.; in bond, 250s.; Dar-es-Salaam, nominal at 267s. 6d. Japanese, first three brands, spot, duty paid, 205s. **CARNAUBA.**—Spot, fatty grey, 435s.; chalky grey, 430s.; Primeira, 535s.

Essential and Expressed Oils

ALMOND.—Supplies are restricted, and no quotations are available.

BAY.—Spot prices remain at 9s. to 10s. per lb., according to quantity, with business quiet.

BOIS DE ROSE.—Spot values are now at about 22s. to 25s. per lb.

CAJUPUT.—Firm and unchanged on spot at about 8s. upwards per lb.

CANANGA.—The value of spot remains at approximately 50s. to 60s. per lb., with supplies limited.

CEDARWOOD.—Stocks at source are stated to be practically exhausted; in consequence spot prices have recently moved up to fully 5s. per lb.

CINNAMON LEAF.—Spot prices are firmer and in the region of 10s. per lb.

CITRONELLA.—Spot prices of Ceylon range between 7s. 9d. and 9s. per lb., according to quantity. Java would be fully 12s. 6d. and more per lb.

CLOVE.—Makers of English-distilled oil are quoting about 20s. per lb. Other grades, not necessarily B.P., may be available at a lower price.

EUCALYPTUS.—Current spot values are as follows: 70 to 75 per cent., about 4s. to 4s. 6d. per lb., according to holder; 80 to 85 per cent., about 4s. 6d. to 4s. 9d. per lb.

FENNEL.—Dealers' prices for sweet are unchanged at around 25s. to 26s. per lb.

GERANIUM.—Prices for both Bourbon and Algerian are nominal and would be a matter for negotiation.

LAVENDER.—Spot business has been small, but values remain at the levels recorded last week. Spot, about 85s. per lb. for good-quality oil.

LEMONGRASS.—Spot values are firm at about 15s. per lb., with the forward market tight.

LIME.—West Indian, strong, on spot at around 45s. per lb.

MUSTARD.—A good demand has been received for British-made synthetic, which continues to change hands at about 18s. 6d. upwards per lb.

NUTMEG.—Small quantities of good-quality oil would be worth about 26s. to 28s. per lb. on spot.

PALMAROSA.—Spot prices are unchanged at approximately 32s. 6d. to 35s. per lb.

PATCHOULI.—Good-quality oil is firmly held on spot at around 55s. per lb.

PENNYROYAL.—Dealers are offering on spot at approximately 25s. to 26s. per lb.

PEPPERMINT.—Demand for Chinese continues good, but supplies are becoming difficult to find. Some business is reported done on spot at 54s. to 55s. per lb., with further sellers asking these prices.

PETITGRAIN.—Spot prices are nominal at about 20s. per lb.

SANDALWOOD.—The price for delivery of on case of genuine East Indian Mysore has now been increased to 26s. 9d. per lb.

SASSAFRAS.—Dealers' spot quotations are steady at about 15s. per lb.

SPEARMINT.—American remains at the unchanged price of approximately 22s. 6d. to 24s. per lb. for spot supplies.

WINTERGREEN (GENUINE).—Dealers' quotations for spot supplies are in the region of 12s. 6d. to 14s. per lb.

INDIAN EPHEDRA

DURING 1940, according to "Foreign Commerce Weekly" (United States Department of Commerce), August 9, three shipments of Indian ephedra totalling 168,000 lb., valued at £2,500, c. and f. United States port, were made from Karachi. The shipments originated with the Forestry Department of the Government of Baluchistan. The drug is found in large quantities in the hills surrounding the Provinces of the Punjab, Kashmir, and Baluchistan (see *C. & D.*, 1939, II, 70). The plants are collected where grown and brought down to the foothills, where they are usually stored and later sent by rail direct to port of shipment whenever orders are received. Limited stocks are kept on hand, while supplementary supplies are collected as soon as a large order is received. If this occurs between October and January stocks on hand can be supplemented in short time. After March it is, on account of low price, storage space necessary, and poor keeping qualities, undesirable to maintain large stocks. Supply naturally varies with the demand in any particular year, but if orders are received before September the supplies forthcoming are adequate. Between 1,000 and 2,000 tons could be furnished.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

£ s. d. of N.H.I.

SIR,—In your leading article (*C. & D.*, November 8, p. 176) you give details from recent report of a pricing bureau, which, reduced to weekly amounts, show that the doctors averaged nearly £8 a week each, while the chemists were paid £3 weekly, which 60 per cent. was for the drugs supplied at cost price, leaving 24s. a week cover salary and overhead expenses. One cannot seriously think that the authorities value the value of the doctors' services as being nearly eight times as much as those of the pharmacist—or do they? Nowadays apprentices expect to be paid as much as 24s., and it is an absurd amount to think of as a wage for a dispenser. Moreover, not even the whole of the 24s. can be set apart for wages, as part of it must go towards the proportion of overhead expenses chargeable to the work. The pharmacist's remuneration has never been adequate, and is now less so than ever.

Yours faithfully,
SCHEMATIC.

Satisfied or Reconciled?

SIR,—The heading of your article on retail prices, "Price Babel," is very appropriate, especially when taken in conjunction with the fact that the Prices of Goods Act imposes severe penalties on the retailer who charges more than the allowed percentage increase of expenses and former retail cash profit. These penalties have already been imposed in some cases where the overcharge has been so little as a halfpenny or a farthing. The retailer's troubles are accentuated by any delay in receiving invoices, and he cannot estimate the selling price, or be aware of any increase in the cost, until the invoice arrives, the only safe thing he can do is not to put the goods into stock until they are priced. This may cause him to lose sales, but otherwise he runs the risk of being involved in a prosecution for overcharging through no fault of his own. The second paragraph in your article is headed "The Public Satisfied." I wonder if this is so, or whether their attitude is not more realistic. Most people seem to accept the fact that as there is a war prices are bound to rise, and that if they want the goods they must pay the price.—Yours faithfully,

SIMPLIFY.

Salvage of Waste Paper

SIR,—The appeal made in the columns of the *C. & D.* last week (p. 175) to all sections of the trade to gather together all their waste paper to be repulped for munitions was a timely reminder that we can, in this simple manner and without cost to ourselves, help along the national effort to win the war and win it as completely and quickly as possible. May I add just one point to the many good reasons you gave why it is everyone's duty to play an active part in this campaign. There must be hundreds, probably thousands, of people in the wholesale and retail trade who are going through an anxious time because of the sons and daughters, relatives and friends they have serving in the Forces. As one of them I realise they will see that these valuable and urgently wanted waste materials are collected, and I am equally sure those fortunate few who have neither kith nor kin in uniform will see to it that their waste paper is collected and handed over and so help in providing adequate equipment and fighting weapons for the Forces. Carried out systematically it is surprising how much can be got together each month, at home and in business.

Yours faithfully,
PAPYRUS.

Appreciations

Congratulations on the new *C. & D.* format. Who would have thought you could give so much to so many in so little!
—A. E. B., HERTS.

I congratulate you on the concise change in the get-up of the *C. & D.* without losing any of its attractiveness, or its peace-time usefulness. It is a pleasure to read.—T. W., BLACKPOOL.

Thank you very much for your letter of November 7. We much appreciate the assistance which you have kindly given us from time to time which has been of great value.—W. S. P., BRISTOL.

I do like the new form of the *C. & D.* I can just remember the time when it appeared long ago in the same size. The *C. & D.* and I were born the same year. I am two or three months the older, having first seen the light on July 24. My father was a chemist in Manchester, and perhaps your pages were some of those from which I learned to recognise the letters of the language.—WILLIAM KIRKBY, BRISTOL.

MISCELLANEOUS INQUIRIES

Lipstick Machinery.—*M. S. L.*—A list of suppliers has been posted to you, but we would remind you that most machinery can only be obtained under licence at the present time.

A Difficult Emulsion.—*P. P. S.*—In reply to your recent letter, we are doubtful whether you will be able to obtain a satisfactory hair cream with the aid of stearic acid without carrying out a number of experiments. Your chief difficulty in preparing a satisfactory hair cream appears to be due to the absence of white wax. We suggest you substitute an approximate amount of hard paraffin or beeswax.

Complexion Wax.—*L. & Co.*—The following is a suitable formula:—

Ammoniated mercury ..	3j.
Bismuth oxychloride ..	3j.
Paraffin ointment ..	3j.

Disclosure of Composition.—*W. T. & Co.*—You are quite correct in thinking that you have the choice of alternative methods of disclosing the composition of your medicine on labels under the Pharmacy and Medicines Act, 1941. You can state (a) "each of the active constituents thereof" or (b) "each of the ingredients of which it has been compounded." According to an official interpretation, the distinction between "constituents" and "ingredients" is that the former are what is in a medicine, while the latter are what is put into it. "Ingredients" was added to the methods of disclosure to meet an objection that with herbal preparations it was impossible to say what was present but only what was put into the preparation, i.e. what were the ingredients. Further, the view is held that if the constituents are named, only those which are active need be named, but if the ingredients are named, all must be included.

Deodorant Cream.—*F. M.*—The following formulas give creams of the type you require:—

(1) Zinc peroxide ..	10
Zinc oxide ..	30
Petroleum jelly ..	60
(2) Diglycol stearate ..	20
Hexamine ..	5
Water ..	75

Dissolve the hexamine in 15 mls of the water. Melt separately the diglycol stearate and add to the water when both are at 170° F. When the mixture is emulsified, add the warm solution of hexamine and stir until cold.

Sodium Sozoiodolate.—*E. M. W.*—This is the sodium salt of sozoiodolic acid (diiodoparaphenol-sulphonic acid), and occurs as colourless, inodorous, crystalline needles, soluble in about fifteen parts of water, also soluble in alcohol or glycerin. The finely powdered substance mixed with equal parts of sulphur is employed by insufflation in treating diphtheria, laryngitis, nasal tuberculosis, etc. It is also used in a 2 to 5 per cent. solution as an antiseptic douche or wash in gonorrhoea.

Ti-Tree Oil Disinfectant.—*S. D.*—The following formula contains ti-tree oil with *p*-chlor-*m*-xylenol, giving a disinfectant preparation in line with recent developments in this field:—

Ti-tree oil ..	4
<i>p</i> -chlor- <i>m</i> -xylenol ..	2
Alcohol ..	12
Ricinoleic acid ..	6
Triethanolamine ..	6
Distilled water ..	70

Intimately mix the acid and triethanolamine and a trace of water. Dissolve the ti-tree oil and xylenol in the alcohol, and mix thoroughly into the soap solution. Dilute gradually with the water. For a mouth wash, douche, etc., use half to one part in 100 parts of water; as a room spray and general disinfectant, use one to three parts; for cuts and abrasions, five parts.

Oily Nail-polish Remover.—This can be made from a mixture of various solvents such as amyl acetate, acetone, butyl stearate, ethyl acetate, etc., with the addition of a little vegetable oil. The following is a representative formula which can be modified according to the materials available:—

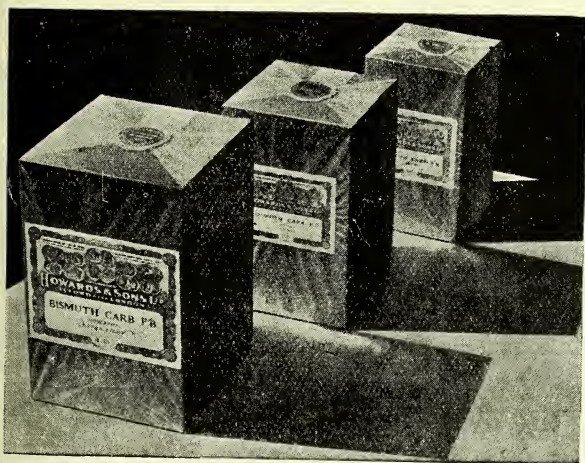
Castor oil ..	10.0
Dibutyl phthalate ..	40.0
Ethyl acetate ..	50.0

Purchase Tax on Galenicals.—*B. P. Ltd.*—We think your problem could best be answered by referring you to the *C. & D.*, October 25, p. 103, from which you will note that if you are "making up" (which term includes repacking medicines, etc.) goods to an extent exceeding £500 a year, you are required to register with the Customs and Excise authorities. As a registered firm, you would be able to buy the bulk materials tax free, but would have to charge the tax on the packed goods sold to the public. You would also be responsible for passing on the tax to the Customs and Excise authorities.

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We are happy and proud to publish these extracts from recent heavy mails. They are typical of the goodwill and appreciation expressed in many letters from chemists and in interviews with our representatives. It is most encouraging to know that a service which we had considered an obligation has prompted such spontaneous appreciation.

. . . I desire to express my great appreciation of the manner in which we chemists are being treated at this juncture by your firm. This allowance on stock held on Sept. 2nd will not go unrewarded and although in the past 'ASPRO' has just been "another patent" I shall in future back this best seller to the full. . . . I can assure you that fair dealing, as portrayed in this present action of yours, will always remain a happy memory. — Lancashire.

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— Cardiganshire.

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— Kent.

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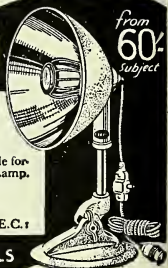
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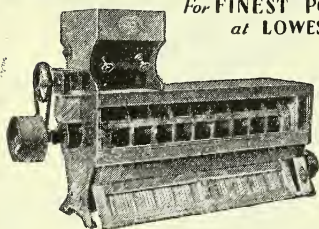
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2/1½	2/1½	+ 4½	25/3	+ 4/3
2/1½	2/1½	+ 4½	25/3	+ 4/3
1/-	1/-	+ 2	11/11	+ 2/-
1/9	1/9	+ 3½	21/-	+ 3/6
1/-	1/-	+ 2	11/11	+ 2/-
13/3½	13/3½	None	159/7	None
3/-	3/-	None	35/8	None
1/9	1/9	None	21/-	None
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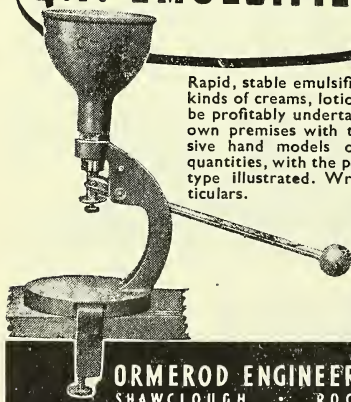


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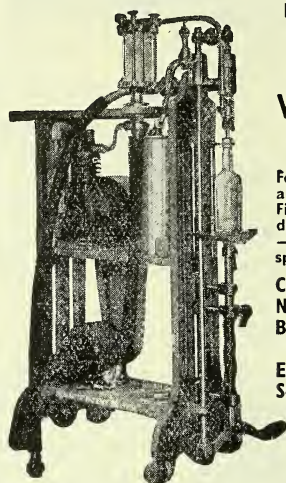
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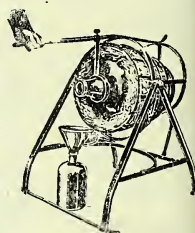
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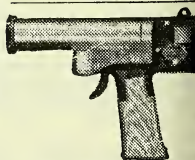
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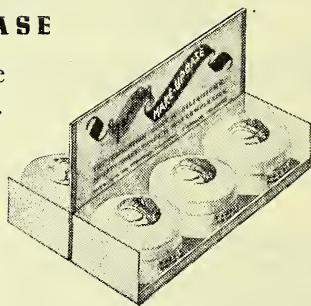
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The CHEMIST AND DRUGGIST

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NOVEMBER 15
1941

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APPOINTMENT OF PHARMACISTS

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Head Pharmacist	Salary £350
Assistant Pharmacist	Salary £250

(plus War Bonus)

The above appointments are offered as temporary appointments, but may be continued.

ESSEX COUNTY HOSPITAL, BROOMFIELD

Single-handed Pharmacist	Salary £300
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The above appointment is upon the established staff of the Hospital and the person appointed will be required to pass a medical examination, and to contribute to the appropriate Superannuation fund.

All the above appointments will be subject to the Council's Sick Pay Rules and Regulations, a copy of which will be forwarded on application, and to the Standing Orders of the Council.

Applications accompanied by copies of not more than three testimonials (which will not be returned) should be enclosed in an envelope marked "Appointment of Pharmacists," addressed to me, and delivered at the County Hall, Chelmsford, not later than 9 a.m. on Monday, the 24th November, 1941.

JOHN E. LIGHTBURN,

Clerk of the County Council.

County Hall,
Chelmsford,
3rd November, 1941.

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Easy hours, chiefly Dispensing; assistant kept.
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houses, car and fidelity bond. CDB/839, London
Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

CLERICAL, part-time, London. Stocktaking
records priced, ledger, cash, daybook, purchase
tax. Retail and wholesale experience. Recom-
mended. CDB/837, London Office of this Paper.

UNQUALIFIED, married, ten years' London
experience. Manager or Assistant in "safe area."
Living accommodation within reasonable area
required. Exempt military duties. CDB/834,
London Office of this Paper.

WHOLESALE

COUNTER and packing experience (no dispensing),
retail or wholesale. Female, full or part-time.
London, Clapham Chelsea district. CDB/836, London
Office of this Paper.

ENGAGEMENT shortly wanted by active, adapt-
able, reliable man with long unique experience
Retail, Factory, Beverages; Control Filling and
Finishing Pharmaceuticals, Toilet. "Production,"
CDB/838, London Office of this Paper.

TRAVELLER, connection amongst Chemists,
Southern Counties, seeks additional suitable
lines, commission basis. Car owner. Betterton,
47 St. Leonard's Court, East Sheen, S.W.14.

BUSINESS WANTED

TO COSMETIC MANUFACTURERS

Highly qualified and experienced executive
at present managing toilet business whose
products pre-war had a large international
sale would like to purchase small cosmetic
business manufacturing full range of good-
class cosmetic preparations. Alternatively
the purchase of a controlling interest would
be considered. CDB/835, London Office of
this Paper.

FOR SALE

CREAM Jars. 1 oz. clear glass, with metal screw-cap, 2s. 6d. doz. For Brilliantine: 1 oz. flat with bakelite cap, 2s. 9d. doz.; 2 oz. oval with metal cap, 3s. 3d. doz.; Suitable for hair cream, etc.: Fancy bottle with cork mouth, 3½ oz., 3s. 3d. doz.; 5½ oz., 3s. 9d. doz.; 4 oz. Amber, pannelled one side with white bakelite cap, 4s. 6d. doz.; 8 oz. cylinder with cork mouth, 4s. doz. Cash with order. Carriage forward. H. S. Bottle Co., 29 Sherwood Hall, East End Road, London, N.2.

FACE Powder for Sale. A limited quantity of pre-war good quality imported. Attractively packed to retail at 9d. Owner must dispose (now with H.M. Forces). Sample 9d. post free, or S.A.E. for prices. Marsh's, 63 Aughton Road, Birkdale, Southport.

LIQUID Toilet Soap (Shampoo): Pine Tar, Coconut Oil, Almond Oil varieties, 10s. 6d. gallon; (minimum) 10-gallon drum orders accompanying cheque sent in strict rotation; limited supplies. G. Stone, chemist, 148 Cheetham Hill Road, Manchester, 8.

NAIL Varnish in approx. ¼-oz. bottles, 14s. per doz., inclusive of purchase tax. Can be supplied in the following shades: natural, clear, orchid, crimson, flame, blush rose, old rose, sunbronze. Cash with order. "Marlene," Dept. (C), 18 Waltham Avenue, London, N.W.9.

OTTO ROSE. 1 oz. original sealed flask. Bulgarian, Scraphimoff & Co. Ashworth, Church Street, Weybridge.

SOFT Soap, amber, odourless, made with best vegetable oils, 50s. cwt., 26s. half; includes iron drums. Cash with order, immediate delivery, carriage forward. Ambrose, 7 Denmark Road, Reading, Berks.

SACCHARINE 550. 28 lb., immediate delivery. Cash offer required. 392/402, London Office of this Paper.

SURPLUS Lipstick Moulds, in standard sizes, machine-made in non-ferrous alloy. 21s. each. Harold V. Eddy, "Pendennis House," Pendennis Road, Falmouth.

TWENTY-SEVEN 7-lb. boxes Creta Prep. Cones, 1 cwt. Carb. Praecip., 1 cwt. Mag. Carb. Pond, 6 lb. Mag. Carb. Lev., 3 cwt. Sod. Bic., 5 gross 6-oz. Glass Jars, wide neck, metal S/c. Offers invited. T. E. Apted, M.P.S., 194 Wilmslow Road, Cheadle, Cheshire.

WANTED

BACTERIOLOGICAL Incubator for A.C., 240 volts; Tintometer, or Lovibonds colorimeter. Also large porcelain mortar and pestle. All or part. Full particulars to Cavendish Laboratory, North Crescent, Hertford.

CHEMIST'S Slide Rule; state make, age and price. Write, CDB/S30, London Office of this Paper.

"LACARNOL" wanted. Offers to CDB/S33, London Office of this Paper.

OILS or Fats and Glycerine, also Block Stearine wanted. Box 56, Pool's, Brettenham House, Lancaster Place, W.C.2.

QUINCE Seed in small or large quantities. State quantity available and price to 392/405, London Office of this Paper.

TARTARIC Acid. Any quantity, Powder or crystals. Offers to 392/404, London Office of this Paper.

TABLET Machinery Wanted. Eureka Single Punch, hand or power; also Ointment Filling Machine. Write Commercial Advertising Service, Ltd., North Parade, Manchester, 3.

WANTED by England's largest photographic dealers. All Miniature Cameras, extra lenses, and accessories, Rolleiflex, Leica, Contax, Ikontas, etc.; also films for Leica, etc. Will buy quotas, Wallace Heaton, Ltd., 127 New Bond Street, W.1.

WANTED Ascorbic Acid, Aspirin, Benzyl Benzoate, Methyl Atropine Nitrate, Papaverine, Phenacetin, Sulphonal, Theobromine, Theophyllin. Good prices paid for large or small quantities. 391/361, London Office of this Paper.

WANTED, Screw-cap Opal Jars and Bakelite Screw-top Bottles suitable for packing cosmetics. Good price offered. B. Salter & Son, 34 Castle Street, Shrewsbury.

WANTED, Phenol or Liquid Carbonic Acid; any quantities. 392/396, London Office of this Paper.

WANTED, quantity Oil Geranium, Bourbon or African. Offers to CDB/S32, London Office of this Paper.

ARE YOU UNEMPLOYED AS A DIRECT RESULT OF THE WAR? IF SO, READ THIS

In order to assist employees who have lost their employment, either through enemy action or through businesses being closed down in defence areas, a scheme of free advertisements in the "Situations Wanted" column of this Supplement will be available until further notice.

Any such employee of a retail pharmacist, whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge. Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Press, Bath, to arrive no later than WEDNESDAY morning of week of issue.

WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war. Prospective employers are requested to give them special consideration.

Advertisers in this Section should advise us immediately employment has been secured.

RETAIL

LADY Dispenser (Hall qualification), thoroughly experienced, seeks appointment in emergency or voluntary Hospital, or with doctors. CDB/780 London Office of this Paper.

WHOLESALE

REPRESENTATIVE, over military age, 20 years' experience with past house in the West of England, Midlands, also London, carrying high-class Perfumery and Toilet Goods, now disengaged owing to limitation of supplies. Extensive personal connexion. Own car. CDB/812, London Office of this Paper.

REPRESENTATIVE, 20 years' experience Wholesale and Retail Chemists throughout Scotland seeks two or three agencies. Apply CDB/813, London Office of this Paper.

BRITISH ALKALOIDS AND FINE CHEMICALS

Whiffen

BROMIDES IODIDES

MERCURIALS · ATROPINE · CAMPHOR

NICOTINIC ACID · SALICIN · CAFFEINE · EMETINE

QUININE · STRYCHNINE · NICOTINE

VERMILION · PRUNELLA · ESSENTIAL OILS

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EXTRACT OF IPECAC. LIQ. · DRUG GRINDING



WHIFFEN & SONS LTD

INCORPORATING GEORGE ATKINSON & COMPANY EST 1654

FULHAM, LONDON, S.W.6

'Phone FULham 0037

'Grams WHIFFEN LONDON

RATIONING HAS CREATED

~~FOOD PROBLEMS~~

Sales for

RADIO-MALT



Family catering is often a difficult problem now-a-days, and housewives—particularly where there are children—naturally turn to supplementary sources of nutrition.

Foremost among these is Radio-Malt and consequently the demand for this product has very greatly increased. There has been no opportunity for us to accumulate the reserve stock upon which we normally rely for help to meet the autumn orders.

Further, malt itself is in limited supply, and a proportion of our vitamin output is ear-marked for National purposes.

A shortage of Radio-Malt is therefore at present inevitable, and we are compelled to cut down orders to a minimum.

We feel sure that our friends will appreciate the position and will co-operate in our endeavour to distribute the available supplies as equitably as possible.

P.A.T.A. PRICES

(Home Trade)

Retail	2/3	4/-	7/6
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Exempt from Purchase Tax

the Vitamin Food for war-time nutrition

A Product of THE BRITISH DRUG HOUSES, LTD. · LONDON · N.1